* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
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NEWS 4	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 5	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 6	FEB 10	COMPENDEX reloaded and enhanced
NEWS 7	FEB 11	WTEXTILES reloaded and enhanced
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NEWS 13	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
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NEWS 15	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 16	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 17	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 18	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 19	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China
NEWS 20	MAR 30	IMSPATENTS reloaded and enhanced
NEWS 21	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 22	APR 07	STN is raising the limits on saved answers
NEWS 23	APR 24	CA/CAplus now has more comprehensive patent assignee information
NEWS 24	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS 25	APR 28	CAS patent authority coverage expanded
NEWS 26	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 27	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS 28	MAY 08	STN Express, Version 8.4, now available
NEWS 29	MAY 11	STN on the Web enhanced
NEWS 30	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS 31	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS 32	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data

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FILE COVERS 1907 - 23 May 2009 VOL 150 ISS 22
FILE LAST UPDATED: 21 May 2009 (20090521/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

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=> s 22811-02-5 or 10220-46-9 or 2917-26-2 or 2885-00-9 or thioglycolate or mercaptoacetate or hexadecanethiol or hexadecylthiol or mercaptan or octadecanethiol or octadecylthiol
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L2 2011 L1

REG1stRY INITIATED
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L4 1621 L3

REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 50 L5

REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L8 6 L7

5570 THIOGLYCOLATE
2218 MERCAPTOACETATE
1405 HEXADECANETHIOL
41 HEXADECYLTHIOL
22248 MERCAPTAN
1668 OCTADECANETHIOL
91 OCTADECYLTHIOL
L9 32684 L8 OR L6 OR L4 OR L2 OR THIOGLYCOLATE OR MERCAPTOACETATE OR HEXA DECANETHIOL OR HEXADECYLTHIOL OR MERCAPTAN OR OCTADECANETHIOL OR OCTADECYLTHIOL

```
=> s (nonionic or non-ionic or anionic or zwitterionic) and surfactant#
         79712 NONIONIC
       1054666 NON
        307432 IONIC
          9398 NON-IONIC
                 (NON(W)IONIC)
        134021 ANIONIC
         13094 ZWITTERIONIC
        275066 SURFACTANT#
L10      84695 (NONIONIC OR NON-IONIC OR ANIONIC OR ZWITTERIONIC) AND SURFACTAN
               T#

=> d his

     (FILE 'HOME' ENTERED AT 00:05:08 ON 23 MAY 2009)

     FILE 'CAPLUS' ENTERED AT 00:05:27 ON 23 MAY 2009
                S 22811-02-5/REG# OR  10220-46-9/REG# OR  2917-26-2/REG# OR  28

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L1             1 S 2885-00-9/RN

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L2          2011 S L1

     FILE 'REGISTRY' ENTERED AT 00:12:44 ON 23 MAY 2009
L3             1 S 2917-26-2/RN

     FILE 'CAPLUS' ENTERED AT 00:12:45 ON 23 MAY 2009
L4          1621 S L3

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L5             1 S 10220-46-9/RN

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L6            50 S L5

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L7             1 S 22811-02-5/RN

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L8             6 S L7
L9         32684 S L8 OR L6 OR L4 OR L2 OR THIOGLYCOLATE OR MERCAPTOACETATE OR H
L10        84695 S (NONIONIC OR NON-IONIC OR ANIONIC OR ZWITTERIONIC) AND SURFAC

=> s l9 and l10
L11          319 L9 AND L10

=> s metal treat##### or treat####### metal
       1928101 METAL
       4009269 TREAT#####
          2447 METAL TREAT#####
                 (METAL(W)TREAT#####)
       4009717 TREAT#######
       1928101 METAL
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          4324 TREAT####### METAL
                 (TREAT#######(W)METAL)
L12       6680 METAL TREAT##### OR TREAT####### METAL

=> l11 and l12
L11 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l11 and l12
L13          1 L11 AND L12

=> d

L13  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2009 ACS on STN
Full Text
AN   2003:798402  CAPLUS
DN   139:311931
TI   Metal coating of hair fibers for cosmetics
IN   Vic, Gabin; Livoreil, Aude; Giroud, Franck
PA   L'oreal, Fr.
SO   Fr. Demande, 18 pp.
     CODEN: FRXXBL
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   FR 2838050           A1    20031010    FR 2002-4352           20020408
     FR 2838050           B1    20060714
     CN 1449737           A     20031022    CN 2003-108449         20030331
     CN 1213719           C     20050810
     BR 2003000873        A     20040817    BR 2003-873            20030403
     EP 1352630           A2    20031015    EP 2003-290860         20030407
     EP 1352630           A3    20040324
     EP 1352630           B1    20060301
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     US 20030223944       A1    20031204    US 2003-407911         20030407
     JP 2003300840        A     20031021    JP 2003-104420         20030408
     JP 3759120           B2    20060322
PRAI FR 2002-4352         A     20020408
     US 2002-372455P      P     20020416
RE.CNT  10    THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


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L13  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2009 ACS on STN
Full Text
AN   2003:798402  CAPLUS
DN   139:311931
ED   Entered STN:  12 Oct 2003
TI   Metal coating of hair fibers for cosmetics
IN   Vic, Gabin; Livoreil, Aude; Giroud, Franck
PA   L'oreal, Fr.
SO   Fr. Demande, 18 pp.
     CODEN: FRXXBL
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DT Patent
LA French
IC ICM A61K007-075
CC 62-3 (Essential Oils and Cosmetics)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2838050	A1	20031010	FR 2002-4352	20020408
	FR 2838050	B1	20060714		
	CN 1449737	A	20031022	CN 2003-108449	20030331
	CN 1213719	C	20050810		
	BR 2003000873	A	20040817	BR 2003-873	20030403
	EP 1352630	A2	20031015	EP 2003-290860	20030407
	EP 1352630	A3	20040324		
	EP 1352630	B1	20060301		
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	US 20030223944	A1	20031204	US 2003-407911	20030407
	JP 2003300840	A	20031021	JP 2003-104420	20030408
	JP 3759120	B2	20060322		
PRAI	FR 2002-4352	A	20020408		
	US 2002-372455P	P	20020416		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
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	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
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EP 1352630	IPCI	A61K0008-19 [I,C]; A61K0008-30 [I,C]; A61Q0005-00 [I,C]; A61Q0005-10 [I,C]; A61Q0005-10 [I,A]; A61K0008-19 [I,A]; A61K0008-46 [I,A]; A61Q0005-00 [I,A]
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US 20030223944	IPCI	A61K0007-075 [ICM,7]; A61K0007-06 [ICS,7]
	IPCR	A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-30 [I,C*]; A61K0008-46 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	NCL	424/070.100; 510/119.000
	ECLA	A61K008/19; A61K008/46; A61Q005/12
JP 2003300840	IPCI	A61K0008-00 [I,A]; A61Q0005-00 [I,A]; A61K0008-18 [I,A]; A61Q0001-02 [I,A]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10

AB The invention relates to a treatment process which confers cosmetic properties on hair fibers. The process consists of treating the fibers with a metal salt in the presence of a reducing agent, directly on the fiber to form the corresponding free metal. Thus, a lock of hair after being shampooed, was dried and an aq. soln. of AgNO3 was applied onto the hair. After the addn. of NaBH4, the natural pigmented hair was dark, with metallic brilliance reflected on it.

ST metal salt hair cosmetic

IT Alcohols, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process);

PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(C1-4; **metal treatment** of hair fibers for cosmetics)

IT Alkanes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(C5-10; **metal treatment** of hair fibers for cosmetics)

IT Polyelectrolytes
Surfactants
(amphoteric; **metal treatment** of hair fibers for cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(animal; **metal treatment** of hair fibers for cosmetics)

IT **Surfactants**
(**anionic; metal treatment** of hair fibers for cosmetics)

IT Polyelectrolytes
Surfactants
(cationic; **metal treatment** of hair fibers for cosmetics)

IT Cosmetics
(emollients; **metal treatment** of hair fibers for cosmetics)

IT Sulfates, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogen; **metal treatment** of hair fibers for cosmetics)

IT Antifoaming agents
Antiperspirants
Cosmetics
Hair
Hair preparations
Perfumes
Pigments, nonbiological
Preservatives
Reducing agents
Shampoos
Sunscreens
Thickening agents
(**metal treatment** of hair fibers for cosmetics)

IT Alkaline earth salts
Bromates
Carbonates, biological studies
Disulfides
Halides
Nitrates, biological studies
Paraffin oils
Phosphates, biological studies
Polymers, biological studies
Polysiloxanes, biological studies
Proteins
Rare earth salts
Sulfates, biological studies

Thioethers
Thiosulfates
Transition metal salts
Vitamins
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(**metal treatment** of hair fibers for cosmetics)

IT Bisulfites
Enzymes, reactions
Sulfites
Thiols, reactions
Thioredoxins
RL: RCT (Reactant); RACT (Reactant or reagent)
(**metal treatment** of hair fibers for cosmetics)

IT Cosmetics
(moisturizers; **metal treatment** of hair fibers for cosmetics)

IT **Surfactants**
(**nonionic; metal treatment** of hair fibers for cosmetics)

IT Peroxysulfates
RL: RCT (Reactant); RACT (Reactant or reagent)
(peroxymonosulfates; **metal treatment** of hair fibers for cosmetics)

IT Alcohols, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(polyhydric; **metal treatment** of hair fibers for cosmetics)

IT Sulfonic acids, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(salts; **metal treatment** of hair fibers for cosmetics)

IT Sulfinic acids
Thiols, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(salts; **metal treatment** of hair fibers for cosmetics)

IT Salts, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(thiol; **metal treatment** of hair fibers for cosmetics)

IT Lactones
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(thiolactones; **metal treatment** of hair fibers for cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(vegetable; **metal treatment** of hair fibers for cosmetics)

IT 64-17-5, Ethanol, biological studies 67-63-0, Isopropanol, biological studies 67-64-1, Acetone, biological studies 78-93-3, Methyl ethyl

ketone, biological studies 79-20-9, Methyl acetate 110-71-4
123-86-4, Butyl acetate 141-78-6, EtOAc, biological studies
7429-90-5D, Aluminum, salts 7439-89-6D, Iron, salts 7439-98-7D,
Molybdenum, salts 7440-02-0D, Nickel, salts 7440-05-3D, Palladium,
salts 7440-06-4D, Platinum, salts 7440-22-4D, Silver, salts
7440-31-5D, Tin, salts 7440-32-6D, Titanium, salts 7440-33-7D,
Tungsten, salts 7440-36-0D, Antimony, salts 7440-50-8D, Copper, salts
7440-57-5D, Gold, salts 7440-66-6D, Zinc, salts 7440-74-6D, Indium,
salts 7758-89-6, Cuprous chloride 7761-88-8, Silver nitrate,
biological studies 7775-41-9, Silver fluoride 7783-89-3, Silver
bromate 7783-90-6, Silver chloride, biological studies 7783-96-2,
Silver iodide 7785-23-1, Silver bromide 7787-70-4, Cuprous bromide
10025-98-6, Dipotassium palladium tetrachloride 10294-26-5, Silver
sulfate 10294-28-7, Gold tribromide 16903-35-8 16923-58-3, Disodium
hexachloroplatinate 19045-66-0D, Thiocarbamic acid, salts 73506-93-1,
Diethoxyethane
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process);
PYP (Physical process); BIOL (Biological study); PROC (Process); USES
(Uses)
(**metal treatment** of hair fibers for cosmetics)

IT 50-81-7, Ascorbic acid, reactions 53-57-6, NaDPH 58-68-4, NaDH
68-11-1, Thioglycolic acid, reactions 77-92-9D, Citric acid, salts
106-51-4, 2,5-Cyclohexadiene-1,4-dione, reactions 123-31-9,
Hydroquinone, reactions 280-64-8, 9-BBN 1758-73-2, Formamidinesulfinic
acid **2885-00-9**, 1-**Octadecanethiol** 3483-12-3,
Dithiothreitol 6838-83-1, Diisoamylborane 7772-98-7 7775-14-6
7803-51-2, Phosphine 13762-51-1 14451-43-5 16853-85-3 16940-66-2
17836-88-3 25895-60-7, Sodium cyanoborohydride 37318-49-3, Protein
disulfide isomerase 56553-60-7 131760-67-3 145626-87-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(**metal treatment** of hair fibers for cosmetics)

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Anon; PATENT ABSTRACTS OF JAPAN 1991, V015(243), PC-0842
(2) Anon; PATENT ABSTRACTS OF JAPAN 1992, V016(509), PC-0997
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(6) Katsumi, M; JP 04187625 A 1992 CAPLUS
(7) Lapidus, H; US 4195972 A 1980
(8) Richez, H; US 1055355 A 1913 CAPLUS
(9) Wella Ag; DE 2806603 A 1979 CAPLUS
(10) Wella Ag; DE 29621557 U 1997

```
=> s silver or ag
        379544 SILVER
        342362 AG
L14     522045 SILVER OR AG

=> d his

     (FILE 'HOME' ENTERED AT 00:05:08 ON 23 MAY 2009)

     FILE 'CAPLUS' ENTERED AT 00:05:27 ON 23 MAY 2009
               S 22811-02-5/REG# OR  10220-46-9/REG# OR  2917-26-2/REG# OR  28

     FILE 'REGISTRY' ENTERED AT 00:12:43 ON 23 MAY 2009
L1            1 S 2885-00-9/RN
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     FILE 'CAPLUS' ENTERED AT 00:12:44 ON 23 MAY 2009
L2         2011 S L1

     FILE 'REGISTRY' ENTERED AT 00:12:44 ON 23 MAY 2009
L3            1 S 2917-26-2/RN

     FILE 'CAPLUS' ENTERED AT 00:12:45 ON 23 MAY 2009
L4         1621 S L3

     FILE 'REGISTRY' ENTERED AT 00:12:45 ON 23 MAY 2009
L5            1 S 10220-46-9/RN

     FILE 'CAPLUS' ENTERED AT 00:12:45 ON 23 MAY 2009
L6           50 S L5

     FILE 'REGISTRY' ENTERED AT 00:12:46 ON 23 MAY 2009
L7            1 S 22811-02-5/RN

     FILE 'CAPLUS' ENTERED AT 00:12:46 ON 23 MAY 2009
L8            6 S L7
L9        32684 S L8 OR L6 OR L4 OR L2 OR THIOGLYCOLATE OR MERCAPTOACETATE OR H
L10       84695 S (NONIONIC OR NON-IONIC OR ANIONIC OR ZWITTERIONIC) AND SURFAC
L11         319 S L9 AND L10
L12        6680 S METAL TREAT##### OR TREAT####### METAL
L13           1 S L11 AND L12
L14      522045 S SILVER OR AG

=> l11 and l14
L11 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l11 and l14
L15          12 L11 AND L14

=> d 1-12 all

L15  ANSWER 1 OF 12  CAPLUS  COPYRIGHT 2009 ACS on STN
Full Text
AN   2008:1046144  CAPLUS
DN   149:312963
ED   Entered STN:  29 Aug 2008
TI   Preparation of conductive supported noble metal nanoparticle catalysts
IN   Stucky, Galen D.; Zheng, Nanfeng
PA   The Regents of the University of California, USA
SO   U.S. Pat. Appl. Publ., 35pp.
     CODEN: USXXCO
DT   Patent
LA   English
INCL 428403000; 216055000; 428402000; 264005000; 264007000; 502100000;
     502300000; 502159000; 502355000; 502350000
CC   56-4 (Nonferrous Metals and Alloys)
     Section cross-reference(s): 57, 67
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   US 20080206562       A1    20080828    US 2008-13436          20080112
PRAI US 2007-884668P      P     20070112
CLASS
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PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 20080206562	INCL	428403000; 216055000; 428402000; 264005000; 264007000; 502100000; 502300000; 502159000; 502355000; 502350000
	IPCI	B32B0015-02 [I,A]; C23F0001-00 [I,A]; B29B0009-00 [I,A]; B29B0009-16 [I,A]; B01J0031-06 [I,A]; B01J0021-04 [I,A]; B01J0021-08 [I,A]; B01J0023-34 [I,A]; B01J0023-16 [I,C*]; B01J0029-00 [I,A]; B01J0021-18 [I,A]; B01J0021-00 [I,C*]; B01J0027-06 [I,A]; B01J0023-42 [I,A]; B01J0023-44 [I,A]; B01J0023-50 [I,A]; B01J0023-52 [I,A]; B01J0023-48 [I,C*]; B01J0027-02 [I,A]; B01J0027-24 [I,A]; B01J0031-02 [I,A]; B01J0023-755 [I,A]; B01J0031-26 [I,A]
	NCL	428/403.000; 216/055.000; 216/083.000; 264/005.000; 264/007.000; 428/402.000; 502/080.000; 502/087.000; 502/100.000; 502/150.000; 502/159.000; 502/167.000; 502/168.000; 502/171.000; 502/180.000; 502/181.000; 502/200.000; 502/216.000; 502/232.000; 502/300.000; 502/325.000; 502/337.000; 502/339.000; 502/340.000; 502/344.000; 502/345.000; 502/347.000; 502/349.000; 502/350.000; 502/355.000

AB The prepn. of elec.-conductive noble metal nanoparticle catalysts on catalyst supports such as alumina, silica, titania, clays, zeolites, or carbon black, is described.

ST gold **silver** palladium nanocatalyst support sol gel micelle ceramic

IT Solvents
(aprotic; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Polyethers, uses
RL: MOA (Modifier or additive use); USES (Uses)
(arom., alkyl-, **surfactants**; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Thiols, uses
RL: MOA (Modifier or additive use); USES (Uses)
(caps on catalyst nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Bentonite, processes
Carbon black, processes
Clays, processes
Diatomite
Silica gel, processes
Zeolites (synthetic), processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Nanoparticles
(catalysts; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Alcohols, uses
RL: MOA (Modifier or additive use); USES (Uses)
(ethoxylated, **surfactants**; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Hydrocarbons, processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(fluoro, catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)

IT **Surfactants**

(in coatings; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Electroluminescent devices
Molecular electronic devices
Optoelectronics
Secondary batteries
Semiconductor devices
Sensors
Solar cells
(nanocatalysts for; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Photolysis catalysts
(nanocatalysts; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Catalysts
Semiconductor materials
(nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT **Surfactants**
(**nonionic**; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Silsesquioxanes
RL: RGT (Reagent); RACT (Reactant or reagent)
(octyl- and hexyl-; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Dyes
(org.-, functional mol.; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Calcination
Catalyst supports
Etching
Reducing agents
(prepn. of conductive supported noble metal nanoparticle catalysts)

IT 7440-44-0, Carbon, processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(activated, catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 64-17-5, Ethanol, uses
RL: NUU (Other use, unclassified); USES (Uses)
(buffer soln.; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 49543-63-7, 4-(tert-Butyl)benzyl **mercaptan**
RL: MOA (Modifier or additive use); USES (Uses)
(cap on nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1322-36-7, Dodecanethiol
RL: MOA (Modifier or additive use); USES (Uses)
(caps on catalyst nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 7440-02-0P, Nickel, preparation 7440-05-3P, Palladium, preparation 7440-06-4P, Platinum, preparation 7440-22-4P, **Silver**, preparation 7440-50-8P, Copper, preparation 7440-57-5P, Gold, preparation 12006-51-8P, AuCu
RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(catalyst nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1309-48-4, Magnesium oxide (MgO), processes 1314-23-4, Zirconia, processes 1344-28-1, Aluminum oxide (Al2O3), processes 7631-86-9,

Silica, processes 7782-42-5, Graphite, processes 13463-67-7, Titania, processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1306-38-3, Cerium oxide (CeO2), uses 1313-13-9, Manganese oxide (MnO2), uses 1313-96-8, Niobium oxide (Nb2O5)
RL: MOA (Modifier or additive use); USES (Uses)
(coatings on colloidal silica; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 12638-19-6P
RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 2966-50-9, **Silver** trifluoroacetate 14024-17-0, Iron acetyl acetonate 14024-61-4 14024-64-7 16902-59-3 17927-72-9 19443-16-4 19443-17-5 23894-00-0 23894-03-3 24772-51-8 27858-32-8, Titanium diisopropoxide bis(ethyl acetoacetate) 62905-51-5 65574-21-2 65583-10-0 66197-44-2 82269-80-5 93918-06-0, Aluminum sec-butoxide bis(ethyl acetoacetate) 98719-26-7 140190-96-1 144665-26-9 204522-78-1 299957-41-8 380240-62-0 1050499-47-2 1050499-48-3 1050499-49-4 1050499-50-7 1050499-51-8 1050499-52-9 1050499-53-0 1050499-54-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(precursors; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1313-99-1, Nickel oxide, uses 1345-25-1, Ferrous oxide, uses 11104-61-3, Cobalt oxide
RL: MOA (Modifier or additive use); USES (Uses)
(prepn. of conductive supported noble metal nanoparticle catalysts)

IT 78-07-9, Ethyltriethoxysilane 78-10-4, Tetraethoxysilane 681-84-5, Tetramethoxysilane 682-01-9, Tetrapropoxysilane 1185-55-3, Methyltrimethoxysilane 1336-21-6, Ammonium hydroxide ((NH4)(OH)) 2031-67-6, Methyltriethoxysilane 4766-57-8, Tetrabutoxysilane 30232-12-3 192082-40-9, Mercaptoundecanoic acid
RL: RGT (Reagent); RACT (Reactant or reagent)
(prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1722-26-5, Triethylamine-borane 4856-95-5 7337-45-3, tert-Butylamine-borane 13774-81-7, Ammonia-borane
RL: RGT (Reagent); RACT (Reactant or reagent)
(reducing agents; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 67-66-3, Chloroform, uses 71-43-2, Benzene, uses 75-09-2, Dichloromethane, uses 108-88-3, Toluene, uses 110-54-3, Hexane, uses 110-82-7, Cyclohexane, uses
RL: NUU (Other use, unclassified); USES (Uses)
(solvent; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 14243-64-2
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(substrates; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 577-11-7, Sodium bis(2-ethylhexyl) sulfosuccinate 9002-89-5, Polyvinyl alcohol 9002-92-0, Brij 30 9004-98-2, Brij 97 9036-19-5, (Octylphenoxy)polyethoxyethanol 12441-09-7D, Sorbitan, ester derivs. 27251-32-7
RL: MOA (Modifier or additive use); USES (Uses)
(**surfactants**; prepn. of conductive supported noble metal

nanoparticle catalysts)

L15 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2007:415891 CAPLUS
DN 146:463862
ED Entered STN: 16 Apr 2007
TI Discoloration prevention of metals using organic ultra-thin films and methods therefor
IN Liang, Chenghao; Yang, Changjiang; Huang, Naibao
PA Dalian Maritime University, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10pp.
CODEN: CNXXEV
DT Patent
LA Chinese
CC 42-10 (Coatings, Inks, and Related Products)
Section cross-reference(s): 46, 56
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1943882	A	20070411	CN 2006-10134093	20061026
PRAI CN 2006-10134093		20061026		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
CN 1943882	IPCI	B05D0007-14 [I,A]; B05D0007-24 [I,A]; B05D0003-10 [I,A]; C23C0022-05 [I,A]; C07C0321-04 [I,A]; C07C0321-00 [I,C*]
	IPCR	B05D0007-14 [I,C]; B05D0007-14 [I,A]

OS MARPAT 146:463862
AB Film-forming solns. contain 0.001-1 mol/L alkyl thiols and 0.001-1 mol/L **surfactants**. Thus, a coating soln. on **Ag** contained stearyl thiol 15, polyethylene glycol nonylphenyl ether 7, hexadecyltrimethylammonium bromide 2, Pluronic 64 7 g/L.
ST metal discoloration prevention coating **surfactant** thiol; **silver** discoloration prevention coating **surfactant** thiol
IT **Surfactants**
(**anionic**; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT **Surfactants**
(cationic; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT Discoloration prevention
(coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT Quaternary ammonium compounds, uses
Thiols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT Coating materials
(discoloration-resistant; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT 691397-13-4, Pluronic L 64
RL: TEM (Technical or engineered material use); USES (Uses)
(Pluronic L 64; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT 57-09-0, Hexadecyltrimethylammonium bromide **2885-00-9**, Stearylmercaptan 7440-22-4, **Silver**, uses 9016-45-9, Polyethylene glycol nonylphenyl ether

RL: TEM (Technical or engineered material use); USES (Uses)
(coating materials contg. thiols and **surfactants** for
discoloration prevention of metals)

L15 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2007:150387 CAPLUS
DN 146:236227
ED Entered STN: 09 Feb 2007
TI Conductive adhesive composition comprising pressure sensitive adhesive and electrolyte
IN Menon, Vinod P.; Kumar, Kanta; Nelson, Carl T.; Rizzardi, Don A.
PA 3M Innovative Properties Company, USA
SO U.S. Pat. Appl. Publ., 20pp.
CODEN: USXXCO
DT Patent
LA English
INCL 600391000; 600392000; 252500000
CC 63-7 (Pharmaceuticals)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20070032719	A1	20070208	US 2005-197216	20050804
	AU 2006278717	A1	20070215	AU 2006-278717	20060801
	CA 2617273	A1	20070215	CA 2006-2617273	20060801
	WO 2007019115	A1	20070215	WO 2006-US29794	20060801
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	EP 1917318	A1	20080507	EP 2006-789019	20060801
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	JP 2009503235	T	20090129	JP 2008-525088	20060801
	MX 2008001425	A	20080416	MX 2008-1425	20080129
	KR 2008040689	A	20080508	KR 2008-702725	20080201
	CN 101238189	A	20080806	CN 2006-80028822	20080204
	IN 2008CN00571	A	20081128	IN 2008-CN571	20080204
PRAI	US 2005-197216	A	20050804		
	WO 2006-US29794	W	20060801		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 20070032719	INCL	600391000; 600392000; 252500000
	IPCI	A61B0005-04 [I,A]; H01B0001-12 [I,A]; H01B0001-00 [I,A]
	IPCR	A61B0005-04 [I,C]; A61B0005-04 [I,A]; H01B0001-00 [I,C]; H01B0001-00 [I,A]; H01B0001-12 [I,C]; H01B0001-12 [I,A]
	NCL	600/391.000; 252/500.000; 600/392.000
	ECLA	C09J009/02; A61B005/0408F; A61N001/04; C09J133/04+B4; C09J133/06+B2; H01B001/20; K61B; M08L; M08L; M08L
AU 2006278717	IPCI	C09J0009-00 [I,C]; C09J0009-02 [I,A]

	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]
	ECLA	C09J009/02; A61B005/0408F; A61N001/04; C09J133/04+B4; C09J133/06+B2; H01B001/20; K61B; M08L; M08L; M08L
CA 2617273	IPCI	A61B0005-0408 [I,A]; A61B0018-14 [I,A]; A61K0050-00 [I,A]; A61N0001-04 [I,A]; C09J0009-02 [I,A]; C09J0009-00 [I,C*]; C09J0011-06 [I,A]; C09J0011-02 [I,C*]
	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]; A61B0005-0408 [I,C]; A61B0005-0408 [I,A]; A61B0018-14 [I,C]; A61B0018-14 [I,A]; A61K0050-00 [I,C]; A61K0050-00 [I,A]; A61N0001-04 [I,C]; A61N0001-04 [I,A]; C09J0011-02 [I,C]; C09J0011-06 [I,A]
WO 2007019115	IPCI	C09J0009-02 [I,A]; C09J0009-00 [I,C*]
	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]
	ECLA	C09J009/02; A61B005/0408F; A61N001/04; C09J133/04+B4; C09J133/06+B2; H01B001/20; K61B; M08L; M08L; M08L
EP 1917318	IPCI	C09J0009-02 [I,A]; C09J0009-00 [I,C*]
	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]
JP 2009503235	IPCI	C09J0201-00 [I,A]; C09J0009-02 [I,A]; C09J0009-00 [I,C*]; C09J0004-02 [I,A]; A61L0024-00 [I,A]; A61N0001-04 [I,A]
	FTERM	4C053/BB04; 4C053/BB06; 4C053/BB07; 4C053/BB23; 4C053/BB35; 4C053/BB36; 4C081/AA10; 4C081/AA12; 4C081/AC04; 4C081/BB03; 4C081/BB04; 4C081/CA061; 4C081/CA071; 4C081/CA081; 4C081/CA101; 4C081/CA16; 4C081/CA181; 4C081/CA211; 4C081/CA281; 4C081/CE07; 4C081/CE09; 4C081/CE10; 4C081/DA02; 4C081/DA12; 4C081/DB07; 4C081/DC03; 4C081/DC04; 4J040/FA041; 4J040/FA081; 4J040/FA091; 4J040/FA101; 4J040/FA131; 4J040/FA141; 4J040/FA161; 4J040/FA281; 4J040/FA291; 4J040/HB04; 4J040/HB10; 4J040/HB11; 4J040/HB14; 4J040/HC01; 4J040/HD02; 4J040/HD18; 4J040/HD23; 4J040/JA03; 4J040/JB09; 4J040/KA12; 4J040/KA13; 4J040/KA32; 4J040/KA38; 4J040/KA39; 4J040/MA14; 4J040/NA02
MX 2008001425	IPCI	C09J0009-02 [I,A]; C09J0009-00 [I,C*]
KR 2008040689	IPCI	C09J0009-02 [I,A]; C09J0009-00 [I,C*]
CN 101238189	IPCI	C09J0009-02 [I,A]; C09J0009-00 [I,C*]
IN 2008CN00571	IPCI	C09J0009-02 [ICM,7]; C09J0009-00 [ICM,7,C*]

OS MARPAT 146:236227

AB A conductive adhesive compn. is provided and articles that include the adhesive compn. as a component thereof. The conductive adhesive compn. comprises: (a) pressure sensitive adhesive; (b) electrolyte comprising water sol. or water dispersible org. chloride; and (c) humectant. In some embodiments, the conductive adhesive compn. is a bicontinuous compn. comprising an aq. phase and an oil phase, and the bicontinuous compn. may be derived from a polymerizable microemulsion compn., the microemulsion compn. comprising: an aq. phase comprising one or more hydrophilic monomers or oligomers and/or one or more amphiphilic monomers or oligomers in water, the water-sol. or water-dispersible org. chloride, **surfactant** and humectant; and an oil phase comprising one or more hydrophobic monomers or oligomers. Biomedical articles such as biomedical electrodes, may incorporate the foregoing adhesive as a component. For example, adhesive precursor comprised of acrylic acid 15 g, 2-hydroxyethyl methacrylate 20 g, tetrakis(hydroxymethyl)phosphonium chloride 11 g, 1,3-butylene glycol 25 g, glycerol 10 g, water 19 g, Irgacure 2959 0.55 g and polyethylene glycol diacrylate 0.15 g. The precursor was coated using a knife coater onto a release liner as substrate. The knife was set so that a 25 mil (0.64 mm) thick coating was obtained. Polymn. was induced in the coated microemulsion by exposure to UV radiation. A total dose of

1800 mJ/cm2 was applied over approx. 7 min, forming a conductive, bicontinuous adhesive. This conductive adhesive had an excellent adhesion to human skin.

ST polymer acrylate electrolyte chloride conductive adhesive

IT Polyurethanes, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(acrylates; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Electric conductors
(adhesive; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Fats and Glyceridic oils, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(almond, amidopropalkonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT **Surfactants**
(**anionic**; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Fats and Glyceridic oils, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(avocado, amidopropalkonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT **Surfactants**
(cationic; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Onium compounds
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Quaternary ammonium compounds, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(chlorides; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Fatty acids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(coco, trimethylammonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Chain transfer agents
Crosslinking agents
Electrodes
Electrolytes
Human
Humectants
Hydrogels
Surfactants
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Alcohols, uses
Thiols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Acrylic polymers, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Sulfonium compounds
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Adhesives
(conductive; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Soybean oil
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(dimethylammonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT **Surfactants**
(**nonionic**; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Chlorides, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(org.; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Adhesives
(pressure-sensitive; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Fatty acids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tallow, bishydroxyethyl/dime quaternary ammonium compds.; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT 558-13-4, Carbon tetrabromide 25103-09-7, Isooctyl **thioglycolate**
, uses
RL: NUU (Other use, unclassified); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT 1070-70-8, 1,4-Butanediol diacrylate 1321-74-0, Divinylbenzene, reactions 10526-04-2, 1,8-Octanediol diacrylate 13048-33-4, 1,6-Hexanediol diacrylate
RL: RCT (Reactant); RACT (Reactant or reagent)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT 56-34-8, Tetraethylammonium chloride 56-37-1, Benzyltriethylammonium chloride 56-81-5, Glycerin, biological studies 56-93-9, Benzyltrimethylammonium chloride 57-55-6, Propylene glycol, biological studies 67-48-1 77-99-6, Trimethylolpropane 88-12-0D, polymer 107-21-1, Ethylene glycol, biological studies 107-88-0, 1,3-Butanediol 110-63-4, 1,4-Butanediol, biological studies 112-00-5, Dodecyltrimethylammonium chloride 112-02-7, Hexadecyltrimethylammonium chloride 112-03-8, Octadecyltrimethylammonium chloride 124-64-1, Tetrakis(hydroxymethyl)phosphonium chloride 139-08-2, Tetradecyldimethylbenzylammonium chloride 593-81-7D, Trimethylammonium chloride, coco fatty acid derivs. 7173-51-5 9004-98-2, Brij 98 9042-76-6 17301-53-0, Behenyltrimethylammonium chloride 24567-53-1, Phosphonium chloride 25265-71-8, Dipropylene glycol 26570-48-9, Polyethylene oxide diacrylate 26597-36-4 32862-91-2, Oxonium chloride 60182-11-8, Polyethylene glycol acrylate 93507-51-8 106797-53-9, IRGACURE 2959 123776-56-7 145687-02-1, Pemulen TR 2 463965-14-2 923929-97-9 923929-99-1 924299-17-2, Hetoxol OL 35
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT 7783-90-6, **Silver** chloride, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive ink soln.; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

L15 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2005:1062684 CAPLUS

DN 143:351549
ED Entered STN: 05 Oct 2005
TI Water-based sulfur-containing composition chemical mechanical polishing of nonferrous metals
IN Johns, Peter Gamon; Harrison, Clare Elizabeth
PA Middlesex Silver Co. Limited, UK
SO Brit. UK Pat. Appl., 29 pp.
CODEN: BAXXDU
DT Patent
LA English
IC ICM C23F011-16
ICS C23F011-00
CC 57-7 (Ceramics)
Section cross-reference(s): 56
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2412666	A	20051005	GB 2004-7163	20040330
	GB 2412666	B	20081008		
	AU 2005229275	A1	20051013	AU 2005-229275	20050324
	CA 2559989	A1	20051013	CA 2005-2559989	20050324
	WO 2005095675	A1	20051013	WO 2005-GB50043	20050324
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1730325	A1	20061213	EP 2005-718135	20050324
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	CN 1946878	A	20070411	CN 2005-80013434	20050324
	JP 2007537354	T	20071220	JP 2007-505641	20050324
	IN 2006DN05356	A	20070713	IN 2006-DN5356	20060915
	MX 2006010964	A	20061116	MX 2006-10964	20060925
	US 20070277906	A1	20071206	US 2007-594477	20070702
PRAI	GB 2004-7163	A	20040330		
	WO 2005-GB50043	W	20050324		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
GB 2412666	ICM	C23F011-16
	ICS	C23F011-00
	IPCI	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C23F0011-00 [I,C]; C23F0011-00 [I,A]
	IPCR	C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B
AU 2005229275	IPCI	C11D0003-00 [I,C*]; C09G0001-00 [I,C*]; C11D0003-34 [I,C*]; C11D0011-00 [I,C*]; C23F0011-10 [I,C*]; C11D0003-00 [I,A]; C09G0001-02 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C23F0011-16 [I,A]
	IPCR	C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C09G0001-00

		[I,C*]; C09G0001-02 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
CA 2559989	IPCI	C09G0001-02 [I,A]; C09G0001-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C23F0011-16 [I,A]; C23F0011-10 [I,C*]
	IPCR	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C09G0001-00 [I,C]; C09G0001-02 [I,A]; C11D0003-00 [I,C]; C11D0003-00 [I,A]; C11D0003-34 [I,C]; C11D0003-34 [I,A]; C11D0011-00 [I,C]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B
WO 2005095675	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]; C11D0003-00 [ICS,7]; C11D0003-34 [ICS,7]; C11D0011-00 [ICS,7]; C09G0001-02 [ICS,7]; C09G0001-00 [ICS,7,C*]
	IPCR	C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
EP 1730325	IPCI	C23F0011-16 [I,A]; C23F0011-10 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]
	IPCR	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C09G0001-00 [I,C]; C09G0001-02 [I,A]; C11D0003-00 [I,C]; C11D0003-00 [I,A]; C11D0003-34 [I,C]; C11D0003-34 [I,A]; C11D0011-00 [I,C]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B
CN 1946878	IPCI	C23F0011-16 [I,A]; C23F0011-10 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]
	IPCR	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B
JP 2007537354	IPCI	C23C0022-58 [I,A]; C11D0003-34 [I,A]; C23C0022-68 [I,A]; C23C0022-05 [I,C*]; C11D0003-20 [I,A]; C11D0001-52 [I,A]; C11D0001-38 [I,C*]; C11D0001-72 [I,A]; C11D0001-79 [I,A]; C11D0001-755 [I,A]; C11D0001-75 [I,A]; C11D0001-722 [I,A]; C11D0001-14 [I,A]; C11D0001-02 [I,C*]; C11D0001-90 [I,A]; C11D0001-88 [I,C*]; C11D0003-04 [I,A]; C11D0001-68 [I,A]; C09K0003-14 [I,A]
	IPCR	C23C0022-05 [I,C]; C23C0022-58 [I,A]; C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C09K0003-14 [I,C]; C09K0003-14 [I,A]; C11D0001-02 [I,C]; C11D0001-14 [I,A]; C11D0001-38 [I,C]; C11D0001-52 [I,A]; C11D0001-68 [I,C]; C11D0001-68 [I,A]; C11D0001-72 [I,C]; C11D0001-72 [I,A]; C11D0001-722 [I,C]; C11D0001-722 [I,A]; C11D0001-75 [I,C]; C11D0001-75 [I,A]; C11D0001-755 [I,C]; C11D0001-755 [I,A]; C11D0001-79 [I,C]; C11D0001-79 [I,A]; C11D0001-88 [I,C]; C11D0001-90 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-04 [I,C]; C11D0003-04 [I,A]; C11D0003-20 [I,C]; C11D0003-20 [I,A]; C11D0003-34 [I,C]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]; C23C0022-68 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	FTERM	4H003/AB27; 4H003/AC02; 4H003/AC10; 4H003/AC13;

4H003/AD04; 4H003/BA12; 4H003/DA15; 4H003/EA12; 4H003/EA19; 4H003/EB05; 4H003/EB18; 4H003/EB21; 4H003/ED02; 4H003/FA05; 4K026/AA01; 4K026/AA06; 4K026/CA15; 4K026/CA37; 4K026/DA02; 4K026/DA03

IN 2006DN05356 IPCI C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]

MX 2006010964 IPCI C09G0001-02 [ICM,7]; C09G0001-00 [ICM,7,C*]; C11D0011-00 [ICS,7]; C11D0003-00 [ICS,7]; C11D0003-34 [ICS,7]; C23F0011-16 [ICS,7]; C23F0011-10 [ICS,7,C*]

US 20070277906 IPCI C23F0011-16 [I,A]; C23F0011-10 [I,C*]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]; C11D0011-00 [I,A]; C11D0003-00 [I,A]; C11D0003-34 [I,A]

NCL 148/022.000

OS MARPAT 143:351549

AB A compn. and assocd. method of manuf. of a water based compn. comprising a treatment agent selected from an alkanethiol, alkyl thioglycollate, and dialkyl sulfide or dialkyl disulfide. The compn. also includes at least one of an amphoteric, **non-ionic** or cationic **surfactant**, where the treatment agent is directly dissolved or dispersed the water contg. the amphoteric, **non-ionic** or cationic **surfactant**. The compn. is particularly useful for the treatment of **Ag**-Cu-Ge alloy, copper, brass, and nickel. A solid polishing medium can also be included in the compn., for example, silica or pptd. chalk, alumina, or silica.

ST chalk alumina silica alkanethiol thioglycollate chem mech polishing copper

IT Thiols, processes
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(alkanethiol; water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT Disulfides
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(alkyl; water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT Chalk
Diatomite
RL: TEM (Technical or engineered material use); USES (Uses)
(as abrasive; water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT **Surfactants**
(cationic; water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT Polishing
(chem.-mech.; water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT Polishing materials
(paste; water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT Thioethers
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT 1344-28-1, Alumina, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(abrasive; water-based sulfur-contg. compn. chem. mech. polishing of metals)

IT 9004-82-4, Sodium laureth sulfate
RL: MOA (Modifier or additive use); USES (Uses)

(**anionic surfactant**; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 7631-86-9, Silica, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(as abrasive; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 36574-66-0D, N-coco acyl derivs.
RL: MOA (Modifier or additive use); USES (Uses)
(cocamidopropyl betaine, **surfactant**; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 7440-02-0, Nickel, processes 7440-50-8, Copper, processes 11144-43-7 12597-71-6, Brass, processes 74969-69-0
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(polished substrate; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 62-56-6, Thiourea, uses **2885-00-9**, Octadecyl **mercaptan**
RL: TEM (Technical or engineered material use); USES (Uses)
(polishing compn. component; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT **2917-26-2**, Hexadecyl **mercaptan**
RL: MOA (Modifier or additive use); USES (Uses)
(**surfactant**; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 68-11-1D, alkyl esters
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(water-based sulfur-contg. compn. chem. mech. polishing of metals)
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Anon; EP 0492487 A1 CAPLUS
(2) Anon; GB 0956927 A
(3) Anon; GB 1117510 A
(4) Anon; US 3503883 A
(5) Anon; US 3518098 A
(6) Anon; US 5650385 A CAPLUS

L15 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2005:622423 CAPLUS
DN 143:295501
ED Entered STN: 19 Jul 2005
TI Single Etch Patterning of Stacked **Silver** and Molybdenum Alloy Layers on Glass Using Microcontact Wave Printing
AU Burdinski, Dirk; Brans, Harold J. A.; Decre, Michel M. J.
CS Philips Research, Eindhoven, 5656 AA, Neth.
SO Journal of the American Chemical Society (2005), 127(31), 10786-10787
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 56
AB Stacked thin layers of **silver** alloy (AgPdCu) and MoCr layers on 10 × 15 cm2 glass substrates were patterned by microcontact wave printing and etching. Patterns of etch-resistant **octadecanethiol** self-assembled monolayers (SAMs) were wave printed with regular backplane

stabilized PDMS stamps. Pattern development was achieved by etching both metal layers in a single step, employing a nitric acid-based etching bath. Trifluoroacetic acid and a nitrite salt were identified as essential bath components for a homogeneous etching process. Etch defects could be eliminated by the addn. of a decanesulfonate, which stabilizes the SAM resist via a defect healing mechanism.

ST etching **silver** molybdenum alloy electrode display

IT Liquid crystal displays
(active matrix; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing as electrodes for)

IT **Surfactants**
(**anionic**; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT Lithography
(microcontact printing; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT Autocatalysis
Electrodes
Etching
Glass substrates
Self-assembled monolayers
(single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT 64-19-7, Acetic acid, processes 76-05-1, Trifluoroacetic acid, processes 7632-00-0, Sodium nitrite 7664-38-2, Phosphoric acid, processes 7697-37-2, Nitric acid, processes
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(etchant; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT **2885-00-9**, 1-**Octadecanethiol**
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(ink, self-assembled monolayer; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT 188820-19-1 317855-00-8
RL: CPS (Chemical process); DEV (Device component use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)
(single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT 13419-61-9, Sodium decane sulfonate
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(**surfactant** for etching soln.; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD

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(30) Ward, R; J Phys Chem B 1997, V101, P1594 CAPLUS
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L15 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2004:847649 CAPLUS
DN 141:353637
ED Entered STN: 15 Oct 2004
TI Pretreatment of **Ag**-alloy surface with organosulfur compounds for tarnishing prevention
IN Johns, Peter Gammon; Harrison, Clare Elizabeth
PA Middlesex Silver Co. Limited, UK
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C23F011-16
CC 56-6 (Nonferrous Metals and Alloys)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087996	A1	20041014	WO 2004-GB1373	20040330
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004225693	A1	20041014	AU 2004-225693	20040330
	CA 2520807	A1	20041014	CA 2004-2520807	20040330
	EP 1611267	A1	20060104	EP 2004-724313	20040330
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1780937	A	20060531	CN 2004-80011375	20040330

	JP 2006523266	T	20061012	JP 2006-506057	20040330
	IN 2005DN04346	A	20070831	IN 2005-DN4346	20050926
	MX 2005010452	A	20060510	MX 2005-10452	20050928
	US 20070039665	A1	20070222	US 2005-551476	20050929
PRAI	GB 2003-7290	A	20030331		
	WO 2004-GB1373	W	20040330		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004087996	ICM	C23F011-16
	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
AU 2004225693	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
CA 2520807	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
EP 1611267	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
CN 1780937	IPCI	C23F0011-16 [I,A]; C23F0011-10 [I,C*]
	ECLA	C23F011/16; C23F011/16B
JP 2006523266	IPCI	C23F0011-00 [I,A]; C22C0005-06 [I,A]; C22C0005-08 [I,A]
	IPCR	C23F0011-00 [I,C]; C23F0011-00 [I,A]; C22C0005-06 [I,C]; C22C0005-06 [I,A]; C22C0005-08 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	FTERM	4K062/AA01; 4K062/BB21; 4K062/BC22; 4K062/FA16
IN 2005DN04346	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
MX 2005010452	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	ECLA	C23F011/16; C23F011/16B
US 20070039665	IPCI	C23G0001-00 [I,A]; C23C0022-58 [I,A]; C23C0022-05 [I,C*]
	NCL	148/271.000; 134/002.000

AB The **Ag** alloys contg. minor Ge (esp. **Ag**-Cu-Ge alloys) to decrease the fire stain discoloration are pretreated on the surface with an alkanethiol, alkyl thioglycollate, dialkyl sulfide, or dialkyl disulfide to prevent tarnishing. The treatment with organosulfur compds. is suitable for manufd. **Ag**-alloy articles to prevent tarnished appearance during transit and the subsequent extended display without special packaging. The **Ag**-alloy surface is optionally treated with aq. soln. contg. an alkanethiol, alkyl thioglycollate, dialkyl sulfide, or dialkyl disulfide, as well as a mixt. of **anionic surfactant** and amphoteric or **nonionic surfactant** to solubilize the treatment agent. The typical ternary alloy contains **Ag** 80-96, Cu 1-19.9, and Ge 0.1-5%.

ST **silver** copper germanium alloy tarnishing prevention organosulfur

IT **Surfactants**
(**anionic**, in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT **Surfactants**
(in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT **Surfactants**
(**nonionic**, in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT Tarnishing
(prevention of; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT Thioethers

Thiols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tarnishing prevention by; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)
IT 7440-56-4, Germanium, uses
RL: MOA (Modifier or additive use); USES (Uses)
(**Ag** alloys contg., tarnishing prevention on; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)
IT 106-94-5, n-Propyl bromide
RL: TEM (Technical or engineered material use); USES (Uses)
(solvent, in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)
IT **2885-00-9**, Octadecyl **mercaptan** **2917-26-2**, Cetyl **mercaptan**
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(tarnishing prevention by; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)
IT 39282-03-6, Sterling **silver** 103221-24-5 476614-10-5 476614-12-7 476614-13-8
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(tarnishing prevention on; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)
IT 9080-17-5, Ammonium polysulfide
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(test soln. with, for tarnishing; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
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(2) Carpenter, J; US 3398003 A 1968 CAPLUS
(3) Gamon, J; EP 0729398 A 1996 CAPLUS
(4) Gamon, J; WO 02095082 A 2002 CAPLUS
(5) Goddard & Sons Ltd J; GB 1070384 A 1967 CAPLUS
(6) Goddard & Sons Ltd J; GB 1130540 A 1968
(7) Han, S; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2001, V123, P2422 CAPLUS
(8) Metaleurop Rech; GB 2255348 A 1992 CAPLUS
(9) Nippon Germanium Lab Co Ltd; EP 1130124 A 2001 CAPLUS

L15 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2003:851241 CAPLUS
DN 139:330251
ED Entered STN: 30 Oct 2003
TI **Silver** (carboxylate-n-alkyl thiolate) particles for photothermographic of thermographic imaging
IN Ghyzel, Peter J.; Lelental, Mark; Dickinson, David A.; Pitt, Alan R.; Wear, Trevor J.
PA Eastman Kodak Company, USA
SO U.S., 14 pp.
CODEN: USXXAM
DT Patent
LA English
IC ICM G03C001-498
INCL 430619000; 430611000; 430620000; 430631000
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6638708	B1	20031028	US 2002-200417	20020722
	EP 1385047	A1	20040128	EP 2003-77179	20030710
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004054276	A	20040219	JP 2003-199297	20030718
PRAI	US 2002-200417	A	20020722		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 6638708	ICM	G03C001-498
	INCL	430619000; 430611000; 430620000; 430631000
	IPCI	G03C0001-498 [ICM,7]
	IPCR	B41M0005-30 [I,C*]; B41M0005-323 [I,A]; G03C0001-498 [I,C*]; G03C0001-498 [I,A]
	NCL	430/619.000; 430/611.000; 430/620.000; 430/631.000
	ECLA	G03C001/498B; G03C001/498E1
EP 1385047	IPCI	G03C0001-498 [ICM,7]
	IPCR	B41M0005-30 [I,C*]; B41M0005-323 [I,A]; G03C0001-498 [I,C*]; G03C0001-498 [I,A]
	ECLA	G03C001/498B; G03C001/498E1
JP 2004054276	IPCI	G03C0001-498 [ICM,7]; B41M0005-30 [ICS,7]
	IPCR	G03C0001-498 [I,A]; G03C0001-498 [I,C*]
	FTERM	2H026/AA07; 2H026/BB46; 2H123/AB00; 2H123/AB03; 2H123/AB25; 2H123/AB28; 2H123/BC00; 2H123/BC12; 2H123/CB00; 2H123/CB03

AB The present disclosure relates to dispersions of **silver** (carboxylate-n-alkyl thiolate). The carboxylates are typically **silver** salts of long chain fatty acids and the n-alkyl thiolate is preferably 1-dodecanethiol. These **silver** (carboxylate-n-alkyl thiolate) particles can be used to formulate imaging forming compns. that are useful in aq. thermog. or photothermog. imaging elements.

ST photog emulsion **silver** carboxylate alkyl thiolate particle photothermog

IT Photographic emulsions
(heat-developable; **silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

IT **Surfactants**
(**nonionic**; **silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

IT Nanoparticles
(**silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

IT 111-31-9, 1-Hexanethiol 112-55-0, 1-Dodecanethiol 112-85-6, Behenic acid **2885-00-9**, 1-**Octadecanethiol**
RL: TEM (Technical or engineered material use); USES (Uses)
(**silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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(2) Goffe; US 3666477 A 1972 CAPLUS
(3) Lelental; US 6391537 B2 2002 CAPLUS
(4) Voicu, R; Structure and Dynamics of Selectively Deuterated Self-Assembled Silver n-Octadecanethiolate Layered Materials P2266
(5) Voicu, R; Thermal Behavior of a Self-Assembled Silver n-Dode-canethiolate Layered Material Monitored by DSC P2642

L15 ANSWER 8 OF 12 CAPLUS

Full Text

AN 2003:798402 CAPLUS
DN 139:311931
ED Entered STN: 12 Oct 2003
TI Metal coating of hair fibers for cosmetics
IN Vic, Gabin; Livoreil, Aude; Giroud, Franck
PA L'oreal, Fr.
SO Fr. Demande, 18 pp.
CODEN: FRXXBL
DT Patent
LA French
IC ICM A61K007-075
CC 62-3 (Essential Oils and Cosmetics)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2838050	A1	20031010	FR 2002-4352	20020408
	FR 2838050	B1	20060714		
	CN 1449737	A	20031022	CN 2003-108449	20030331
	CN 1213719	C	20050810		
	BR 2003000873	A	20040817	BR 2003-873	20030403
	EP 1352630	A2	20031015	EP 2003-290860	20030407
	EP 1352630	A3	20040324		
	EP 1352630	B1	20060301		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 20030223944	A1	20031204	US 2003-407911	20030407
	JP 2003300840	A	20031021	JP 2003-104420	20030408
	JP 3759120	B2	20060322		
PRAI	FR 2002-4352	A	20020408		
	US 2002-372455P	P	20020416		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
FR 2838050	ICM	A61K007-075
	IPCI	A61K0007-075 [ICM,7]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
CN 1449737	IPCI	A61K0007-06 [ICM,7]; A61K0007-06 [ICS,7]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02

		[I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
BR 2003000873	IPCI	A61K0007-06 [ICM,7]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
EP 1352630	IPCI	A61K0008-19 [I,C]; A61K0008-30 [I,C]; A61Q0005-00 [I,C]; A61Q0005-10 [I,C]; A61Q0005-10 [I,A]; A61K0008-19 [I,A]; A61K0008-46 [I,A]; A61Q0005-00 [I,A]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61Q0005-10 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
US 20030223944	IPCI	A61K0007-075 [ICM,7]; A61K0007-06 [ICS,7]
	IPCR	A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-30 [I,C*]; A61K0008-46 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	NCL	424/070.100; 510/119.000
	ECLA	A61K008/19; A61K008/46; A61Q005/12
JP 2003300840	IPCI	A61K0008-00 [I,A]; A61Q0005-00 [I,A]; A61K0008-18 [I,A]; A61Q0001-02 [I,A]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10

AB The invention relates to a treatment process which confers cosmetic

properties on hair fibers. The process consists of treating the fibers with a metal salt in the presence of a reducing agent, directly on the fiber to form the corresponding free metal. Thus, a lock of hair after being shampooed, was dried and an aq. soln. of AgNO3 was applied onto the hair. After the addn. of NaBH4, the natural pigmented hair was dark, with metallic brilliance reflected on it.

ST metal salt hair cosmetic

IT Alcohols, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(C1-4; metal treatment of hair fibers for cosmetics)

IT Alkanes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(C5-10; metal treatment of hair fibers for cosmetics)

IT Polyelectrolytes
Surfactants
(amphoteric; metal treatment of hair fibers for cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(animal; metal treatment of hair fibers for cosmetics)

IT **Surfactants**
(**anionic**; metal treatment of hair fibers for cosmetics)

IT Polyelectrolytes
Surfactants
(cationic; metal treatment of hair fibers for cosmetics)

IT Cosmetics
(emollients; metal treatment of hair fibers for cosmetics)

IT Sulfates, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogen; metal treatment of hair fibers for cosmetics)

IT Antifoaming agents
Antiperspirants
Cosmetics
Hair
Hair preparations
Perfumes
Pigments, nonbiological
Preservatives
Reducing agents
Shampoos
Sunscreens
Thickening agents
(metal treatment of hair fibers for cosmetics)

IT Alkaline earth salts
Bromates
Carbonates, biological studies
Disulfides
Halides
Nitrates, biological studies
Paraffin oils
Phosphates, biological studies
Polymers, biological studies
Polysiloxanes, biological studies
Proteins
Rare earth salts

Sulfates, biological studies
Thioethers
Thiosulfates
Transition metal salts
Vitamins
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(metal treatment of hair fibers for cosmetics)

IT Bisulfites
Enzymes, reactions
Sulfites
Thiols, reactions
Thioredoxins
RL: RCT (Reactant); RACT (Reactant or reagent)
(metal treatment of hair fibers for cosmetics)

IT Cosmetics
(moisturizers; metal treatment of hair fibers for cosmetics)

IT **Surfactants**
(**nonionic**; metal treatment of hair fibers for cosmetics)

IT Peroxysulfates
RL: RCT (Reactant); RACT (Reactant or reagent)
(peroxymonosulfates; metal treatment of hair fibers for cosmetics)

IT Alcohols, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(polyhydric; metal treatment of hair fibers for cosmetics)

IT Sulfonic acids, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(salts; metal treatment of hair fibers for cosmetics)

IT Sulfinic acids
Thiols, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(salts; metal treatment of hair fibers for cosmetics)

IT Salts, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(thiol; metal treatment of hair fibers for cosmetics)

IT Lactones
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(thiolactones; metal treatment of hair fibers for cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(vegetable; metal treatment of hair fibers for cosmetics)

IT 64-17-5, Ethanol, biological studies 67-63-0, Isopropanol, biological studies 67-64-1, Acetone, biological studies 78-93-3, Methyl ethyl ketone, biological studies 79-20-9, Methyl acetate 110-71-4 123-86-4, Butyl acetate 141-78-6, EtOAc, biological studies 7429-90-5D, Aluminum, salts 7439-89-6D, Iron, salts 7439-98-7D, Molybdenum, salts 7440-02-0D, Nickel, salts 7440-05-3D, Palladium, salts 7440-06-4D, Platinum, salts 7440-22-4D, **Silver**, salts 7440-31-5D, Tin, salts 7440-32-6D, Titanium, salts 7440-33-7D, Tungsten, salts 7440-36-0D, Antimony, salts 7440-50-8D, Copper, salts 7440-57-5D, Gold, salts 7440-66-6D, Zinc, salts 7440-74-6D, Indium,

salts 7758-89-6, Cuprous chloride 7761-88-8, **Silver** nitrate, biological studies 7775-41-9, **Silver** fluoride 7783-89-3, **Silver** bromate 7783-90-6, **Silver** chloride, biological studies 7783-96-2, **Silver** iodide 7785-23-1, **Silver** bromide 7787-70-4, Cuprous bromide 10025-98-6, Dipotassium palladium tetrachloride 10294-26-5, **Silver** sulfate 10294-28-7, Gold tribromide 16903-35-8 16923-58-3, Disodium hexachloroplatinate 19045-66-0D, Thiocarbamic acid, salts 73506-93-1, Diethoxyethane
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(metal treatment of hair fibers for cosmetics)

IT 50-81-7, Ascorbic acid, reactions 53-57-6, NaDPH 58-68-4, NaDH 68-11-1, Thioglycolic acid, reactions 77-92-9D, Citric acid, salts 106-51-4, 2,5-Cyclohexadiene-1,4-dione, reactions 123-31-9, Hydroquinone, reactions 280-64-8, 9-BBN 1758-73-2, Formamidinesulfinic acid **2885-00-9**, 1-**Octadecanethiol** 3483-12-3, Dithiothreitol 6838-83-1, Diisoamylborane 7772-98-7 7775-14-6 7803-51-2, Phosphine 13762-51-1 14451-43-5 16853-85-3 16940-66-2 17836-88-3 25895-60-7, Sodium cyanoborohydride 37318-49-3, Protein disulfide isomerase 56553-60-7 131760-67-3 145626-87-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(metal treatment of hair fibers for cosmetics)

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD

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(1) Anon; PATENT ABSTRACTS OF JAPAN 1991, V015(243), PC-0842
(2) Anon; PATENT ABSTRACTS OF JAPAN 1992, V016(509), PC-0997
(3) Dong Sung Pharmaceuticals Co L; EP 1243249 A 2002 CAPLUS
(4) Grollier, J; US 4971596 A 1990 CAPLUS
(5) Kanebo Ltd; JP 03077806 A 1991 CAPLUS
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(7) Lapidus, H; US 4195972 A 1980
(8) Richez, H; US 1055355 A 1913 CAPLUS
(9) Wella Ag; DE 2806603 A 1979 CAPLUS
(10) Wella Ag; DE 29621557 U 1997

L15 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text

AN 2003:737150 CAPLUS
DN 139:250305
ED Entered STN: 19 Sep 2003
TI Invisible patch for the controlled delivery of cosmetic, dermatological, and pharmaceutical active ingredients onto the skin
IN Shefer, Adi; Shefer, Samuel
PA USA
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ICS A61K009-70
INCL 424449000; 514061000
CC 63-6 (Pharmaceuticals)
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PI	US 20030175333	A1	20030918	US 2003-376736	20030228
	US 20030175328	A1	20030918	US 2002-91935	20020306
	CA 2515098	A1	20040916	CA 2004-2515098	20040227

	WO 2004078122	A2	20040916	WO 2004-US6106	20040227
	WO 2004078122	A3	20050203		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1603499	A2	20051214	EP 2004-715783	20040227
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2006519263	T	20060824	JP 2006-508924	20040227
PRAI	US 2002-91935	A2	20020306		
	US 2003-376736	A	20030228		
	WO 2004-US6106	W	20040227		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 20030175333	ICM	A61K031-715
	ICS	A61K009-70
	INCL	424449000; 514061000
	IPCI	A61K0031-715 [ICM,7]; A61K0009-70 [ICS,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61F0013-02 [I,C*]; A61F0013-02 [I,A]; A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61K0008-11 [I,C*]; A61K0008-11 [I,A]; A61K0008-30 [I,C*]; A61K0008-35 [I,A]; A61K0008-368 [I,A]; A61K0008-44 [I,A]; A61K0008-67 [I,A]; A61K0008-72 [I,C*]; A61K0008-72 [I,A]; A61K0008-73 [I,A]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61K0009-50 [I,C*]; A61K0009-50 [I,A]; A61K0009-51 [I,C*]; A61K0009-51 [I,A]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0031-01 [I,C*]; A61K0031-01 [I,A]; A61K0031-045 [I,C*]; A61K0031-045 [I,A]; A61K0031-047 [I,A]; A61K0031-05 [I,A]; A61K0031-075 [I,C*]; A61K0031-085 [I,A]; A61K0031-121 [I,C*]; A61K0031-121 [I,A]; A61K0031-155 [I,C*]; A61K0031-155 [I,A]; A61K0031-165 [I,C*]; A61K0031-165 [I,A]; A61K0031-345 [I,C*]; A61K0031-345 [I,A]; A61K0031-4453 [I,C*]; A61K0031-4453 [I,A]; A61K0031-545 [I,C*]; A61K0031-545 [I,A]; A61K0031-60 [I,C*]; A61K0031-60 [I,A]; A61K0031-616 [I,A]; A61K0031-65 [I,C*]; A61K0031-65 [I,A]; A61K0031-7042 [I,C*]; A61K0031-7048 [I,A]; A61K0033-00 [I,C*]; A61K0033-00 [I,A]; A61K0033-18 [I,C*]; A61K0033-18 [I,A]; A61K0033-28 [I,C*]; A61K0033-28 [I,A]; A61K0033-38 [I,C*]; A61K0033-38 [I,A]; A61K0036-18 [I,C*]; A61K0036-18 [I,A]; A61K0036-88 [I,C*]; A61K0036-896 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61K0047-32 [I,C*]; A61K0047-32 [I,A]; A61K0047-34 [I,C*]; A61K0047-34 [I,A]; A61K0047-36 [I,C*]; A61K0047-36 [I,A]; A61K0047-38 [I,C*]; A61K0047-38 [I,A]; A61K0047-42 [I,C*]; A61K0047-42 [I,A]; A61L0015-16 [I,C*]; A61L0015-44 [I,A]; A61P0017-00 [I,C*]; A61P0017-00 [I,A]; A61P0017-02 [I,A]; A61P0017-10 [I,A]; A61P0017-12 [I,A]; A61P0017-16 [I,A]; A61Q0009-04 [I,C*]; A61Q0009-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0017-04 [I,A]; A61Q0019-00 [I,C*];

		A61Q0019-00 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-04 [I,C*]; A61Q0019-04 [I,A]; A61Q0019-08 [I,C*]; A61Q0019-08 [I,A]
	NCL	424/449.000; 514/061.000
	ECLA	A61K008/02C; A61K008/35; A61K008/368; A61K008/44; A61K008/67C; A61K008/67H; A61K008/67L; A61K008/97; A61K009/70E; A61L015/44; A61Q009/04; A61Q019/00; A61Q019/04; A61Q019/08; K61K
US 20030175328	IPCI	A61K0009-70 [ICM,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61F0013-02 [I,C*]; A61F0013-02 [I,A]; A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61K0008-11 [I,C*]; A61K0008-11 [I,A]; A61K0008-30 [I,C*]; A61K0008-35 [I,A]; A61K0008-368 [I,A]; A61K0008-44 [I,A]; A61K0008-67 [I,A]; A61K0008-72 [I,C*]; A61K0008-72 [I,A]; A61K0008-73 [I,A]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61K0009-50 [I,C*]; A61K0009-50 [I,A]; A61K0009-51 [I,C*]; A61K0009-51 [I,A]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0031-01 [I,C*]; A61K0031-01 [I,A]; A61K0031-045 [I,C*]; A61K0031-045 [I,A]; A61K0031-047 [I,A]; A61K0031-05 [I,A]; A61K0031-075 [I,C*]; A61K0031-085 [I,A]; A61K0031-121 [I,C*]; A61K0031-121 [I,A]; A61K0031-155 [I,C*]; A61K0031-155 [I,A]; A61K0031-165 [I,C*]; A61K0031-165 [I,A]; A61K0031-345 [I,C*]; A61K0031-345 [I,A]; A61K0031-4453 [I,C*]; A61K0031-4453 [I,A]; A61K0031-545 [I,C*]; A61K0031-545 [I,A]; A61K0031-60 [I,C*]; A61K0031-60 [I,A]; A61K0031-616 [I,A]; A61K0031-65 [I,C*]; A61K0031-65 [I,A]; A61K0031-7042 [I,C*]; A61K0031-7048 [I,A]; A61K0033-00 [I,C*]; A61K0033-00 [I,A]; A61K0033-18 [I,C*]; A61K0033-18 [I,A]; A61K0033-28 [I,C*]; A61K0033-28 [I,A]; A61K0033-38 [I,C*]; A61K0033-38 [I,A]; A61K0036-18 [I,C*]; A61K0036-18 [I,A]; A61K0036-88 [I,C*]; A61K0036-896 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61K0047-32 [I,C*]; A61K0047-32 [I,A]; A61K0047-34 [I,C*]; A61K0047-34 [I,A]; A61K0047-36 [I,C*]; A61K0047-36 [I,A]; A61K0047-38 [I,C*]; A61K0047-38 [I,A]; A61K0047-42 [I,C*]; A61K0047-42 [I,A]; A61L0015-16 [I,C*]; A61L0015-44 [I,A]; A61P0017-00 [I,C*]; A61P0017-00 [I,A]; A61P0017-02 [I,A]; A61P0017-10 [I,A]; A61P0017-12 [I,A]; A61P0017-16 [I,A]; A61Q0009-04 [I,C*]; A61Q0009-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0017-04 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-04 [I,C*]; A61Q0019-04 [I,A]; A61Q0019-08 [I,C*]; A61Q0019-08 [I,A]
	NCL	424/449.000
	ECLA	A61K008/02C; A61K008/35; A61K008/368; A61K008/44; A61K008/67C; A61K008/67H; A61K008/67L; A61K008/97; A61K009/70E; A61L015/44; A61Q009/04; A61Q019/00; A61Q019/04; A61Q019/08; K61K
CA 2515098	IPCI	A61K0009-70 [ICM,7]; A61K0007-00 [ICS,7]; A61K0045-00 [ICS,7]; A61M0037-00 [ICS,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
WO 2004078122	IPCI	A61K [ICM,7]

	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
EP 1603499	IPCI	A61F0013-00 [ICM,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
JP 2006519263	IPCI	A61K0008-02 [I,A]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-84 [I,A]; A61K0008-88 [I,A]; A61K0008-72 [I,C*]; A61K0008-34 [I,A]; A61K0008-60 [I,A]; A61K0008-46 [I,A]; A61K0008-41 [I,A]; A61K0008-37 [I,A]; A61K0008-55 [I,A]; A61K0008-58 [I,A]; A61Q0019-00 [I,A]; A61K0008-33 [I,A]; A61K0008-43 [I,A]; A61K0008-49 [I,A]; A61K0008-36 [I,A]; A61K0008-30 [I,C*]; A61K0009-70 [I,A]; A61K0047-28 [I,A]; A61K0047-36 [I,A]; A61K0047-38 [I,A]; A61K0047-32 [I,A]; A61K0047-42 [I,A]; A61K0047-34 [I,A]; A61K0047-10 [I,A]; A61K0047-20 [I,A]; A61K0047-18 [I,A]; A61K0047-16 [I,C*]; A61K0047-14 [I,A]; A61K0047-12 [I,A]; A61K0047-24 [I,A]; A61K0045-00 [I,A]; A61K0047-22 [I,A]
	IPCR	A61K0008-02 [I,C]; A61K0008-02 [I,A]; A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0008-30 [I,C]; A61K0008-33 [I,A]; A61K0008-34 [I,A]; A61K0008-36 [I,A]; A61K0008-37 [I,A]; A61K0008-41 [I,A]; A61K0008-43 [I,A]; A61K0008-46 [I,A]; A61K0008-49 [I,A]; A61K0008-55 [I,A]; A61K0008-58 [I,A]; A61K0008-60 [I,A]; A61K0008-72 [I,C]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-84 [I,A]; A61K0008-88 [I,A]; A61K0009-70 [I,C]; A61K0009-70 [I,A]; A61K0045-00 [I,C]; A61K0045-00 [I,A]; A61K0047-10 [I,C]; A61K0047-10 [I,A]; A61K0047-12 [I,C]; A61K0047-12 [I,A]; A61K0047-14 [I,C]; A61K0047-14 [I,A]; A61K0047-16 [I,C]; A61K0047-18 [I,A]; A61K0047-20 [I,C]; A61K0047-20 [I,A]; A61K0047-22 [I,C]; A61K0047-22 [I,A]; A61K0047-24 [I,C]; A61K0047-24 [I,A]; A61K0047-28 [I,C]; A61K0047-28 [I,A]; A61K0047-32 [I,C]; A61K0047-32 [I,A]; A61K0047-34 [I,C]; A61K0047-34 [I,A]; A61K0047-36 [I,C]; A61K0047-36 [I,A]; A61K0047-38 [I,C]; A61K0047-38 [I,A]; A61K0047-42 [I,C]; A61K0047-42 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]; A61Q0019-00 [I,C]; A61Q0019-00 [I,A]
	FTERM	4C076/AA72; 4C076/AA95; 4C076/BB31; 4C076/CC01; 4C076/CC03; 4C076/CC04; 4C076/CC18; 4C076/DD03; 4C076/DD04; 4C076/DD07; 4C076/DD08; 4C076/DD09; 4C076/DD13; 4C076/DD17; 4C076/DD38A; 4C076/DD66A; 4C076/EE06A; 4C076/EE10A; 4C076/EE12A; 4C076/EE13A; 4C076/EE17A; 4C076/EE23A; 4C076/EE26A; 4C076/EE27; 4C076/EE30A; 4C076/EE31A; 4C076/EE32A; 4C076/EE38A; 4C076/FF31; 4C076/FF35; 4C083/AA112; 4C083/AB032; 4C083/AC122; 4C083/AC131; 4C083/AC181; 4C083/AC371; 4C083/AC391; 4C083/AC421; 4C083/AC441; 4C083/AC532; 4C083/AC682; 4C083/AC772; 4C083/AC781; 4C083/AC791; 4C083/AD041; 4C083/AD042; 4C083/AD051; 4C083/AD071; 4C083/AD072; 4C083/AD091; 4C083/AD111; 4C083/AD131; 4C083/AD151; 4C083/AD201; 4C083/AD202; 4C083/AD211; 4C083/AD241; 4C083/AD261; 4C083/AD271; 4C083/AD281;

4C083/AD282; 4C083/AD351; 4C083/AD391; 4C083/AD642; 4C083/AD662; 4C083/CC02; 4C083/DD12; 4C083/EE12; 4C083/EE13; 4C083/EE14; 4C083/EE16; 4C083/EE22; 4C084/AA17; 4C084/MA32; 4C084/MA63; 4C084/NA10; 4C084/ZA891

AB The present invention relates to a patch for controlled topical or transdermal delivery of effective levels of cosmetic, dermatol., and pharmaceutical active ingredients onto the skin, hair follicles, and sebaceous glands, with minimal discomfort and ease of use. The patch can be transparent or clear and comprises a rate-controlling matrix layer. The matrix layer comprises water-sensitive, bioadhesive, film forming polymers, a water sol. oligomer, and a **surfactant**. The cosmetic, dermatol., and pharmaceutical active ingredients are sol. or dispersed in the matrix. The patch becomes tacky when wetted and adheres onto the skin. The adhesive properties of the patch are sufficient to maintain the patch in place on the skin for the recommended treatment period while allowing the patch to be readily removed without causing skin irritation or leaving adhesive residue on the skin. For example, an antibiotic patch contained polyvinyl alc. 50, PVP 1, polysorbate 20 5, Maltrin 180 10, lactitol 5, glycerin 10, and chloramphenicol 0.55%.

ST patch bioadhesive polymer oligosaccharide **surfactant**; antibiotic patch PVA PVP polysorbate chloramphenicol

IT Glycosides
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkyl polyglycosides; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(amphoteric; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**anionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(cationic; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Essential oils
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(clove; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Hair preparations
(conditioners; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(depilatories; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Acne
Burn
Dandruff
Pruritus
Rhus diversiloba
Rhus toxicodendron
(drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Alcohols, biological studies
Amides, biological studies
Esters, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(ethoxylated; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Hair preparations
(growth stimulants; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Vein, disease
(hemorrhoid, drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Syrups (sweetening agents)
(hydrolyzed starch; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Allergy inhibitors
Aloe barbadensis
Analgesics
Anti-infective agents
Anti-inflammatory agents
Antibacterial agents
Antibiotics
Antiemetics
Antihistamines
Antimicrobial agents
Antioxidants
Antiperspirants
Antitussives
Antiviral agents
Chelating agents
Chemotherapy
Cholinergic antagonists
Deodorants
Disinfectants
Fungicides
Hemostatics
Immunomodulators
Insecticides
Radical scavengers
Sunscreens
Suntanning agents
Vasoconstrictors
Vasodilators
Wound healing promoters
(invisible patches contg. bioadhesive polymers and **surfactants**)

IT Amine oxides
Amino acids, biological studies
Carbohydrates, biological studies
Caseins, biological studies
Flavonoids
Gelatins, biological studies
Glycerides, biological studies
Lanolin
Lecithins
Oligosaccharides, biological studies
Paraffin oils
Peptides, biological studies
Polyamides, biological studies
Polyesters, biological studies
Polyoxyalkylenes, biological studies
Polyoxyalkylenes, biological studies
Polysaccharides, biological studies
Proteins

Retinoids
Vitamins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**)

IT Anesthetics
(local; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(moisturizers; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**nonionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Amines, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(polyamines, nonpolymeric; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Alcohols, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(polyhydric, propoxylated; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(polymers; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Skin, disease
(rash, drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(skin-lightening; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Drug delivery systems
(tapes; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(wrinkle-preventing; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**zwitterionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT 36574-66-0D, N-coco acyl derivs.
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cocoamidopropylbetaine; invisible patches contg. bioadhesive polymers and **surfactants**)

IT 68-26-8, Retinol 96-26-4, Dihydroxyacetone 814-71-1, Calcium **thioglycolate** 34452-51-2, Potassium **thioglycolate**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**)

IT 50-70-4, Sorbitol, biological studies 50-70-4D, Sorbitol, oligomers contg. 50-78-2, Aspirin 50-81-7, Vitamin C, biological studies 50-99-7D, Glucose, esters 50-99-7D, D-Glucose, oligomers contg. 55-56-1, Chlorhexidine 56-81-5, Glycerin, biological studies 56-86-0D, Glutamic acid, N-acyl derivs. 57-48-7D, Fructose, oligomers contg.

57-50-1D, Sucrose, esters 57-50-1D, Sucrose, oligomers contg. 57-55-6, Propylene glycol, biological studies 58-86-6D, Xylose, oligomers contg. 59-23-4D, Galactose, oligomers contg. 59-87-0, Nitrofurazone 60-54-8, Tetracycline 69-65-8D, Mannitol, oligomers contg. 69-72-7, Salicylic acid, biological studies 69-79-4D, Maltose, oligomers contg. 87-99-0D, Xylitol, oligomers contg. 106-11-6, Diethylene glycol monostearate 107-36-8D, Isethionic acid, cocoyl derivs. 108-46-3, Resorcinol, biological studies 108-95-2, Phenol, biological studies 114-07-8, Erythromycin 115-83-3, Pentaerythritol tetrastearate 144-55-8, Sodium bicarbonate, biological studies 151-21-3, Sodium lauryl sulfate, biological studies 404-86-4, Capsaicin 497-19-8, Sodium carbonate, biological studies 585-86-4D, Lactitol, oligomers contg. 585-88-6D, Maltitol, oligomers contg. 770-35-4, Phenoxyisopropanol 1338-41-6, Sorbitan monostearate 1406-18-4, Vitamin E 2216-51-5 3380-34-5, Triclosan 3458-28-4D, D-Mannose, oligomers contg. 6284-40-8 7439-97-6, Mercury, biological studies 7440-22-4, **Silver**, biological studies 7553-56-2, Iodine, biological studies 8011-96-9, Calamine 8050-81-5, Simethicone 9000-01-5, Gum arabic 9002-89-5, Polyvinyl alcohol 9002-98-6 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone 9004-64-2, Hydroxypropyl cellulose 9005-25-8, Starch, biological studies 9005-25-8D, Starch, hydrolyzates 9005-64-5, Polysorbate 20 9011-13-6, Styrene-maleic anhydride copolymer 9011-16-9, Methyl vinyl ether-maleic anhydride copolymer 11099-07-3, Glycerin stearate 11111-12-9, Cephalosporin 11140-06-0, Glycerin palmitate 12694-22-3, Diglyceryl monostearate 13718-94-0D, Palatinose, oligomers contg. 15687-27-1, Ibuprofen 18323-44-9, Clindamycin 25322-68-3, Polyethylene glycol 25322-69-4 25655-41-8, Povidone iodine 26658-19-5, Sorbitan tristearate 27195-16-0, Sucrose distearate 30233-64-8, Glyceryl monobehenate 39529-26-5, Decaglyceryl decastearate 42852-72-2 53998-08-6, Sarcosinate 63119-59-5, Diglycerin distearate 68424-04-4, Polydextrose 71185-87-0, Hexaglyceryl tristearate 75537-01-8, Gantrez S-97 95461-64-6, Decaglyceryl pentastearate 99734-29-9, Tetraglyceryl tristearate 99880-64-5, Glyceryl dibehenate 106392-12-5, Polyoxyethylene polyoxypropylene block copolymer
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

IT 56-75-7, Chloramphenicol 94-09-7, Benzocaine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

L15 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 1992:536001 CAPLUS
DN 117:136001
OREF 117:23503a,23506a
ED Entered STN: 04 Oct 1992
TI Aqueous emulsion for temporary protection of **silver** and copper surfaces against tarnishing
IN Grossmann, Hermann
PA Doduco GmbH und Co. Dr. Eugen Duerrwaechter, Germany
SO Eur. Pat. Appl., 6 pp.
CODEN: EPXXDW
DT Patent
LA German
IC ICM C23F011-16
CC 56-10 (Nonferrous Metals and Alloys)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 492487	A1	19920701	EP 1991-121903	19911220
	EP 492487	B1	19960320		
	R: DE, ES, FR, GB, IT, NL				
	DE 4041596	A1	19920702	DE 1990-4041596	19901222
	ES 2086471	T3	19960701	ES 1991-121903	19911220
PRAI	DE 1990-4041596	A	19901222		
	DE 1991-4124955	A	19910727		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 492487	ICM	C23F011-16
	IPCI	C23F0011-16 [ICM,5]; C23F0011-10 [ICM,5,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16B
DE 4041596	IPCI	C23F0011-12 [ICM,5]; C23F0011-16 [ICS,5]; C23F0011-10 [ICS,5,C*]; C09K0015-06 [ICA,5]; C09K0015-12 [ICA,5]; C09K0015-00 [ICA,5,C*]; B01F0017-42 [ICA,5]; B01F0017-38 [ICA,5]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16B
ES 2086471	IPCI	C23F0011-16 [ICM,6]; C23F0011-10 [ICM,6,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16B

AB The emulsion of pH 1-10 (preferably 2-4) comprises a hydrophobic inhibitor of a C≥ 12 thioalc. with ≥ 1 SH group and its ester 0.05-50 (preferably 2-20), emulsifier 0.05-50 (2-20), and an **anionic** or **nonionic surfactant** ≤ 2 (0.05-1 g/L). The emulsifier comprises an alkoxylated and preferably ethoxylated branched C4-20 alc., an alkyl or alkylphenyl ether of polyethylene glycol. **Ag**, Cu, and their alloys are treated with the emulsion at >T (m.p. of inhibitor), rinsed with H2O at <T, and dried with hot air. An example emulsion of pH 3 and suitable for treatment of **Ag** and **Ag** alloys contains **octadecanethiol** 0.5-30, polyethylene glycol alkyl ether 0.5-30, and SDS ≤ 1 g/L H2O.

ST tarnishing inhibitor **silver** copper; thiol SDS tarnishing inhibitor **silver**; SDS thiol tarnishing inhibitor copper; polyethylene glycol ether tarnishing inhibitor

IT Thiols, uses
RL: USES (Uses)
(corrosion inhibitors, for copper and **silver**, with emulsifiers of alkyl or alkylphenyl ether of polyethylene glycol)

IT Tarnishing
(of **silver** and copper alloys, aq. emulsion for prevention of)

IT Corrosion inhibitors
(thiols, with emulsifiers of alkyl or alkyl Ph ether of polyethylene glycol)

IT Alcohols, compounds
RL: PROC (Process)
(C8-16, ethoxylated, corrosion inhibitor emulsion contg., thiol, for copper and **silver** and their alloys)

IT copper alloy, base
silver alloy, base
RL: RCT (Reactant); RACT (Reactant or reagent)
(tarnishing of, thiol inhibitor for)

IT 25322-68-3D, Polyethylene glycol, alkyl and alkylphenyl ethers 151-21-3, uses
RL: PROC (Process)

(corrosion inhibitor emulsion contg., thiol, for copper and **silver** and their alloys)
IT **2885-00-9, Octadecanethiol**
RL: PROC (Process)
(corrosion inhibitors, for copper and **silver**, with emulsifiers of alkyl or alkylphenyl ether of polyethylene glycol)
IT 7440-22-4, **Silver**, reactions 7440-50-8, Copper, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(tarnishing of, thiol inhibitor for)

L15 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 1991:89162 CAPLUS
DN 114:89162
OREF 114:15093a,15096a
ED Entered STN: 09 Mar 1991
TI **Silver** metal liquidlike films (MELLFs). The effect of **surfactants**
AU Yogev, D.; Efrima, S.
CS Dep. Chem., Ben-Gurion Univ. Negev, Beer-Sheva, 84105, Israel
SO Langmuir (1991), 7(2), 267-71
CODEN: LANGD5; ISSN: 0743-7463
DT Journal
LA English
CC 66-4 (Surface Chemistry and Colloids)
Section cross-reference(s): 73, 74
AB The effects of **surfactants** on the prodn. and stabilization of **Ag** metal liquidlike films (MELLFs) were studied. The main role of the **surfactant** is in stabilizing the **Ag** MELLFs and improving their properties (reflectivity, "fluidity"). A variety of different **surfactants** were found to be active, and of those investigated, **anionic** fluoroalkyl **surfactants** seem to be the most effective. In the case of **anionic surfactants**, the countercation has a significant effect on the **Ag** MELLF, esp. if it is a surface-active agent in itself. The effects of the **surfactants** on the interfacial tension and their effect on the measured reflectivities of the MELLFs are discussed in the context of the interfacial colloidal model of **Ag** MELLFs.
ST **silver** metal liquidlike film formation; **surfactant** effect metal liquidlike film; interfacial tension metal liquidlike film
IT Films
(metal liq.-like, **surfactant** effects on formation of)
IT Interfacial tension
(of **surfactant** solns., **silver** metal liq.-like film formation in relation to)
IT Sulfonic acids, compounds
RL: PRP (Properties)
(perfluoroalkane, ammonium and potassium salts, **surfactant** effect of, on **silver** metal liq.-like film formation)
IT **Surfactants**
(**silver** metal liq.-like film formation in presence of)
IT Carboxylic acids, compounds
RL: PRP (Properties)
(perfluoro, ammonium salts, **surfactant** effect of, on **silver** metal liq.-like film formation)
IT 7440-22-4, **Silver**, uses and miscellaneous
RL: USES (Uses)
(liq.-like metal film formation by, **surfactant** effects on)
IT 577-11-7 **2885-00-9**, 1-**Octadecanethiol** 9002-93-1, Triton X 100 52584-45-9, Monflor 31 57534-41-5, Zonyl FSN 60529-61-5, Monflor 32 67479-85-0, Zonyl FSC 67479-86-1, Zonyl FSP
RL: PRP (Properties)

(**silver** metal liq.-like film formation in presence of)

L15 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 1987:33631 CAPLUS
DN 106:33631
OREF 106:5655a,5658a
ED Entered STN: 07 Feb 1987
TI Maleimide copolymer and thermoplastic resin prepared by using this copolymer
IN Kimura, Atsushi; Toyooka, Yutaka; Kishida, Kazuo
PA Mitsubishi Rayon Co., Ltd., Japan
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
IC ICM C08F002-18
ICS C08F212-04; C08L033-14; C08L035-06; C08L051-04
CC 35-4 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 38
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8604337	A1	19860731	WO 1986-JP17	19860117
	W: AU, US				
	RW: DE, FR, GB, IT, NL				
	JP 61163903	A	19860724	JP 1985-4907	19850117
	JP 61174248	A	19860805	JP 1985-12705	19850128
	AU 8653567	A	19860813	AU 1986-53567	19860117
	EP 208790	A1	19870121	EP 1986-900840	19860117
	R: DE, FR, GB, IT, NL				
	CA 1262299	A1	19891010	CA 1986-518902	19860923
PRAI	JP 1985-4907	A	19850117		
	JP 1985-12705	A	19850128		
	WO 1986-JP17	A	19860117		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 8604337	ICM	C08F002-18
	ICS	C08F212-04; C08L033-14; C08L035-06; C08L051-04
	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08L0033-14 [ICS,4]; C08L0033-00 [ICS,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0002-12 [I,C*]; C08F0002-18 [I,A]; C08F0222-00 [I,C*]; C08F0222-40 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]
	ECLA	C08F222/40; C08L035/06+B5; C08L051/04+B2
JP 61163903	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08F0002-00 [ICA,4]
JP 61174248	IPCI	C08L0033-18 [ICM,4]; C08L0033-00 [ICM,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08L0033-00 [I,C*]; C08L0033-00 [I,A]; C08L0007-00 [I,C*]; C08L0007-00 [I,A]; C08L0021-00 [I,C*]; C08L0021-00 [I,A]; C08L0023-00 [I,C*]; C08L0023-00 [I,A]; C08L0033-02 [I,A]; C08L0033-18 [I,A];

		C08L0033-24 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-00 [I,A]; C08L0051-02 [I,A]; C08L0051-04 [I,A]; C08L0101-00 [I,C*]; C08L0101-00 [I,A]
AU 8653567	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08L0033-14 [ICS,4]; C08L0033-00 [ICS,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0002-12 [I,C*]; C08F0002-18 [I,A]; C08F0222-00 [I,C*]; C08F0222-40 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]
	ECLA	C08F222/40; C08L035/06+B5; C08L051/04+B2
EP 208790	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08L0033-14 [ICS,4]; C08L0033-00 [ICS,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0002-12 [I,C*]; C08F0002-18 [I,A]; C08F0222-00 [I,C*]; C08F0222-40 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]
	ECLA	C08F222/40; C08L035/06+B5; C08L051/04+B2
CA 1262299	IPCI	C08F0212-04 [ICM,4]; C08F0212-00 [ICM,4,C*]; C08L0025-02 [ICS,4]; C08L0025-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0212-00 [I,C*]; C08F0212-04 [I,A]; C08L0025-00 [I,C*]; C08L0025-02 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]

AB A maleimide polymer with excellent heat stability during high-temp. molding and giving a product with excellent resistance to discoloration, heat, and impact when blended with a graft rubber, is prepd. by polymn. of a monomer selected from an arom. vinyl monomer, an unsatd. nitrile, and Me methacrylate 50-95, a maleimide 5-50, and other monomers 0-30% in the presence of a Ca phosphate-based dispersing agent and a **nonionic surfactant** [RO(CH2CH2O)n]mPO(OA)3-m (R = C8-30 alkyl, aralkyl; A = H, metal; m = 1-3, n = 5-50). The process minimizes the scale formation of formed polymers on a reactor wall during polymn. Thus, a mixt. of arylonitrile 20, styrene 170, and N-phenylmaleimide 10 parts in 100 parts water contg. AIBN 0.1, tert-Bu benzoate 0.1, tert-dodecyl **mercaptan** 0.3, Gafac GB 520 0.003, and Ca3PO4 0.5 part was suspension-polymd. at 80° for 3 h and at 120° for 2 h to give polymer beads (particle diam. 180 μ, glass-transition temp. 125°). During the polymn., no scale formation was obsd. A blend of 55 parts maleimide copolymer and 45 parts graft polymer from polybutadiene 50, acrylonitrile 15, and styrene 35 parts contg. Mg stearate 0.3, tris(nonylphenyl) phosphite 0.1, and Antage W 400 0.2 phr was injection-molded at 280-290° to give a sample exhibiting yellowing index (at 280°) 31, notched Izod impact strength 16.4 kg-cm/cm2, Rockwell hardness (R) 102, and Vicat softening point 108°, with no **silver** streak formation, compared with 44, 16, 101, and 104, with **silver** streak formation, when a maleimide copolymer prepd. in the presence of poly(vinyl alc.) as a dispersing agent was used.

ST phenylmaleimide copolymer suspension polymn; acrylonitrile copolymer suspension polymn; styrene copolymer suspension polymn; calcium phosphate dispersant suspension polymn; polyethylene glycol lauryl ether phosphate;

nonionic phosphate **surfactant** suspension polymn; scale prevention suspension polymn dispersant; ABS blend maleimide copolymer molding; heat stability maleimide copolymer molding

IT Plastics, molded
RL: USES (Uses)
(ABS polymer-maleimide-contg. polymers, heat- and impact-resistant, heat-stable)

IT Heat-resistant materials
(maleimide-contg. polymers, heat stability improvement of)

IT Dispersing agents
(polyalkylene glycol phosphate-tricalcium phosphate, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention)

IT Scale (coating)
(prevention of, on reactor wall during suspension polymn. of maleimide-contg. monomer mixts., dispersing agents for)

IT Polymerization
(suspension, of maleimide-contg. monomer mixts., dispersing agents for, for scale formation prevention)

IT 9003-56-9
RL: USES (Uses)
(phenylmaleimide copolymer blends, heat-stable, resistant to discoloration, heat and impact)

IT 31621-07-5P, Acrylonitrile-N-phenylmaleimide-styrene copolymer 94858-30-7P, Acrylonitrile-α-methylstyrene-N-phenylmaleimide-styrene copolymer 101482-57-9P, Acrylonitrilemethyl methacrylate-N-phenylmaleimide-styrene copolymer
RL: PREP (Preparation)
(prepn. of, by suspension polymn., dispersing agents for, for improved heat stability and scale prevention during polymn.)

IT 51811-79-1, Gafac RE 610
RL: USES (Uses)
(suspensing agents, Gafac RE 610, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention during polymn.)

IT 35604-29-6, Gafac GB 520
RL: USES (Uses)
(suspension agent, Gafac GB 520, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention during polymn.)

IT 7758-87-4, Tricalcium phosphate
RL: USES (Uses)
(suspension agent, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention during polymn.)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Anon; JP 4983785 A
(2) Anon; JP 5495689 A
(3) Anon; JP 57125242 A CAPLUS
(4) Anon; JP 57167341 A CAPLUS
(5) Anon; JP 58129043 A CAPLUS
(6) Anon; JP 58206657 A CAPLUS
(7) Anon; JP 59184243 A CAPLUS

=> d his

(FILE 'HOME' ENTERED AT 00:05:08 ON 23 MAY 2009)

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     FILE 'CAPLUS' ENTERED AT 00:05:27 ON 23 MAY 2009
                S 22811-02-5/REG# OR  10220-46-9/REG# OR  2917-26-2/REG# OR  28

     FILE 'REGISTRY' ENTERED AT 00:12:43 ON 23 MAY 2009
L1             1 S 2885-00-9/RN

     FILE 'CAPLUS' ENTERED AT 00:12:44 ON 23 MAY 2009
L2          2011 S L1

     FILE 'REGISTRY' ENTERED AT 00:12:44 ON 23 MAY 2009
L3             1 S 2917-26-2/RN

     FILE 'CAPLUS' ENTERED AT 00:12:45 ON 23 MAY 2009
L4          1621 S L3

     FILE 'REGISTRY' ENTERED AT 00:12:45 ON 23 MAY 2009
L5             1 S 10220-46-9/RN

     FILE 'CAPLUS' ENTERED AT 00:12:45 ON 23 MAY 2009
L6            50 S L5

     FILE 'REGISTRY' ENTERED AT 00:12:46 ON 23 MAY 2009
L7             1 S 22811-02-5/RN

     FILE 'CAPLUS' ENTERED AT 00:12:46 ON 23 MAY 2009
L8             6 S L7
L9         32684 S L8 OR L6 OR L4 OR L2 OR THIOGLYCOLATE OR MERCAPTOACETATE OR H
L10        84695 S (NONIONIC OR NON-IONIC OR ANIONIC OR ZWITTERIONIC) AND SURFAC
L11          319 S L9 AND L10
L12         6680 S METAL TREAT##### OR TREAT####### METAL
L13            1 S L11 AND L12
L14       522045 S SILVER OR AG
L15           12 S L11 AND L14

=> s (nonionic or non-ionic) and anionic and zwitterionic and surfactant#
          79712 NONIONIC
        1054666 NON
         307432 IONIC
           9398 NON-IONIC
                  (NON(W)IONIC)
         134021 ANIONIC
          13094 ZWITTERIONIC
         275066 SURFACTANT#
L16        1173 (NONIONIC OR NON-IONIC) AND ANIONIC AND ZWITTERIONIC AND SURFACT
                ANT#

=> s l11 and l16
L17            3 L11 AND L16

=> d 1-3 all

L17  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2009 ACS on STN
Full Text
AN   2008:619503  CAPLUS
DN   148:545131
ED   Entered STN:  23 May 2008
TI   Detergent compositions in the form of microemulsions and use thereof in
     the treatment of alopecia
IN   Ben Alloum, Abdelkrim
PA   Morocco
```

SO PCT Int. Appl., 63pp.
CODEN: PIXXD2
DT Patent
LA French
CC 62-4 (Essential Oils and Cosmetics)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2008060130	A2	20080522	WO 2007-MA11	20071105
WO 2008060130	A3	20081211		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRAI MA 2006-29458 A 20061116
CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2008060130	IPCI	A61Q0007-00 [I,A]; A61Q0019-10 [I,A]; A61P0017-14 [I,A]; A61K0008-37 [I,A]; A61K0008-06 [I,A]; A61K0008-39 [I,A]; A61K0008-55 [I,A]; A61K0008-86 [I,A]; A61Q0007-00 [I,C]; A61Q0007-00 [I,A]; A61K0008-04 [I,C]; A61K0008-06 [I,A]; A61K0008-30 [I,C]; A61K0008-37 [I,A]; A61K0008-39 [I,A]; A61K0008-55 [I,A]; A61K0008-72 [I,C]; A61K0008-86 [I,A]; A61P0017-00 [I,C]; A61P0017-14 [I,A]; A61Q0019-10 [I,C]; A61Q0019-10 [I,A]
	IPCR	A61Q0007-00 [I,C]; A61Q0007-00 [I,A]; A61K0008-04 [I,C]; A61K0008-06 [I,A]; A61K0008-30 [I,C]; A61K0008-37 [I,A]; A61K0008-39 [I,A]; A61K0008-55 [I,A]; A61K0008-72 [I,C]; A61K0008-86 [I,A]; A61P0017-00 [I,C]; A61P0017-14 [I,A]; A61Q0019-10 [I,C]; A61Q0019-10 [I,A]
	ECLA	A61K008/06C; A61K008/36C; A61K008/92C; A61Q007/00

OS MARPAT 148:545131

AB The invention relates to detergent compns. in the form of stable, transparent oil-in-water-type microemulsions which are prepd. in accordance with the invention and which take the form of a liq. or gel. The aforementioned compns. comprise water, electrolytes, fatty acids, a combination of fatty acid salt type surface-active agents and at least one **nonionic** surface-active agent, an oil preferably selected from oils contg. long-chain triglycerides and, if desired, other auxiliary agents, additives and active principles. Said compns. can be used, in particular, to clean and condition keratinous matter such as hair or skin. The inventive compns. can micro-emulsify sebum on contact. The invention also relates to a cosmetic method for the treatment of androgenic alopecia or the prevention of hair loss. A microemulsion contained sunflower oil 3.26, free fatty acids 2.51, glycerin 2.04, copra oil fatty acids 19.84, Tergitol NP-9 16.32, sodium lactate 1.02, sodium chloride 0.65, disodium EDTA 0.16, and water 54.20%. Efficacy of the compn. in patient with alopecia is shown.

ST detergent microemulsion alopecia oil **surfactant** hair loss

IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(C9-11, ethoxylated; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Fatty acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(alkali metal salts; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Phenols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(alkyl; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(amino; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT **Surfactants**
(**anionic**; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(avocado; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(babassu; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(borage seed; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT **Surfactants**
(cationic; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Alopecia
Cosmetic microemulsions
Detergents
Electrolytes
Human
Surfactants
(detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Amines, biological studies
Coconut oil
Corn oil
Fatty acids, biological studies
Linseed oil
Olive oil
Palm oil
Soybean oil
Sunflower oil
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ethoxylated; detergent compns. in form of microemulsions and use in treatment of alopecia)
IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(evening primrose; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Alkali metal salts
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty acid salts; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Amides, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Glycerides, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(long-chain; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Alopecia
(male pattern; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT **Surfactants**
(**nonionic**; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyhydric; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(potassium salts; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Amino acids, biological studies
Carboxylic acids, biological studies
Fatty acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(salts; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(sodium salts; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(vegetable; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(wheat germ; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT **Surfactants**
(**zwitterionic**; detergent compns. in form of microemulsions and use in treatment of alopecia)

IT 50-21-5D, Lactic acid, salts 50-70-4D, Sorbitol, esters 56-81-5D, Glycerol, esters 56-84-8D, Aspartic acid, salts 57-50-1D, Sucrose, esters 72-17-3, Sodium lactate 77-92-9D, Citric acid, salts 87-69-4D, Tartaric acid, salts 98-11-3D, Benzenesulfonic acid, alkyl derivs., salts 104-15-4, p-Toluenesulfonic acid, biological studies 367-51-1, Sodium **thioglycolate** 7447-40-7, Potassium chloride, biological studies 7647-14-5, Sodium chloride, biological studies 7664-38-2D, Phosphoric acid, salts 7757-82-6, Sodium sulfate, biological studies 9016-45-9, Tergitol NP-9 12125-02-9, Ammonium chloride, biological studies 12441-09-7D, Sorbitan, esters
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(detergent compns. in form of microemulsions and use in treatment of alopecia)

L17 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2005:216634 CAPLUS
DN 142:284776
ED Entered STN: 11 Mar 2005
TI Method and compositions for straightening hair using a reducing and an oxidizing agent in combination with heat
IN Mueller, Burkhard; Schellin, Aaltje; Neubueser, Inge
PA Hans Schwarzkopf & Henkel GmbH & Co. KG, Germany
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA German
IC ICM A61K007-09
ICS A61K007-075
CC 62-3 (Essential Oils and Cosmetics)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005020943	A1	20050310	WO 2004-EP9151	20040814
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10338883	A1	20050324	DE 2003-10338883	20030823
	BR 2004009291	A	20060411	BR 2004-9291	20040814
	EP 1656184	A1	20060517	EP 2004-764143	20040814
	EP 1656184	B1	20080326		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	JP 2007503379	T	20070222	JP 2006-523591	20040814
	AT 390175	T	20080415	AT 2004-764143	20040814
	ES 2300812	T3	20080616	ES 2004-764143	20040814
	US 20060150344	A1	20060713	US 2005-297707	20051208
	HK 1086211	A1	20080815	HK 2006-106137	20060526
PRAI	DE 2003-10338883	A	20030823		
	WO 2004-EP9151	W	20040814		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2005020943	ICM	A61K007-09
	ICS	A61K007-075
	IPCI	A61K0007-09 [ICM,7]; A61K0007-075 [ICS,7]
	IPCR	A61K0008-30 [I,C*]; A61K0008-41 [I,A]; A61K0008-49 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61K008/41; A61K008/41L; A61K008/49F1; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61Q005/12; K61K

DE 10338883	IPCI	A61K0007-09 [ICM,7]
	IPCR	A61K0008-30 [I,C*]; A61K0008-41 [I,A]; A61K0008-49 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61K008/41; A61K008/41L; A61K008/49F1; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61Q005/12; K61K
BR 2004009291	IPCI	A61K0007-09 [ICM,7]; A61K0007-075 [ICS,7]
	ECLA	A61K008/41; A61K008/41L; A61K008/49F1; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61Q005/12; K61K
EP 1656184	IPCI	A61Q0005-04 [I,C]; A61Q0005-04 [I,A]; A61K0008-30 [I,C]; A61K0008-41 [I,A]; A61K0008-44 [I,A]; A61K0008-64 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C]; A61K0008-81 [I,A]; A61K0008-898 [I,A]; A61K0008-96 [I,C]; A61K0008-98 [I,A]; A61Q0005-12 [I,C]; A61Q0005-12 [I,A]
	IPCR	A61K0008-49 [I,A]; A61K0008-73 [I,A]
	ECLA	A61K008/41; A61K008/41L; A61K008/49F1; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61Q005/12; K61K
JP 2007503379	IPCI	A61K0008-892 [I,A]; A61K0008-81 [I,A]; A61K0008-41 [I,A]; A61K0008-891 [I,A]; A61K0008-72 [I,C*]; A61K0008-64 [I,A]; A61Q0005-12 [I,A]; A61K0008-22 [I,A]; A61K0008-19 [I,C*]; A61K0008-46 [I,A]; A61K0008-30 [I,C*]
	IPCR	A61K0008-72 [I,C]; A61K0008-892 [I,A]; A61K0008-19 [I,C]; A61K0008-22 [I,A]; A61K0008-30 [I,C]; A61K0008-41 [I,A]; A61K0008-46 [I,A]; A61K0008-49 [I,A]; A61K0008-64 [I,A]; A61K0008-65 [I,A]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-891 [I,A]; A61Q0005-12 [I,C]; A61Q0005-12 [I,A]
	FTERM	4C083/AB082; 4C083/AB312; 4C083/AB411; 4C083/AB412; 4C083/AC022; 4C083/AC072; 4C083/AC122; 4C083/AC172; 4C083/AC182; 4C083/AC302; 4C083/AC352; 4C083/AC422; 4C083/AC482; 4C083/AC612; 4C083/AC642; 4C083/AC691; 4C083/AC692; 4C083/AC771; 4C083/AC772; 4C083/AC782; 4C083/AC852; 4C083/AC892; 4C083/AD131; 4C083/AD132; 4C083/AD151; 4C083/AD152; 4C083/AD161; 4C083/AD162; 4C083/AD281; 4C083/AD282; 4C083/AD411; 4C083/AD412; 4C083/BB32; 4C083/BB34; 4C083/BB36; 4C083/BB53; 4C083/CC31; 4C083/CC33; 4C083/DD06; 4C083/DD23; 4C083/DD27; 4C083/DD38; 4C083/EE05; 4C083/EE06; 4C083/EE07; 4C083/EE21; 4C083/EE28
AT 390175	IPCI	A61Q0005-04 [I,C]; A61Q0005-04 [I,A]; A61K0008-30 [I,C]; A61K0008-41 [I,A]; A61K0008-64 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C]; A61K0008-81 [I,A]; A61K0008-898 [I,A]; A61K0008-96 [I,C]; A61K0008-98 [I,A]; A61Q0005-12 [I,C]; A61Q0005-12 [I,A]
	IPCR	A61Q0005-04 [I,C]; A61Q0005-04 [I,A]; A61K0008-30 [I,C]; A61K0008-41 [I,A]; A61K0008-49 [I,A]; A61K0008-64 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-898 [I,A]; A61K0008-96 [I,C]; A61K0008-98 [I,A]; A61Q0005-12 [I,C]; A61Q0005-12 [I,A]
	ECLA	A61K008/41; A61K008/41L; A61K008/49F1; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61Q005/12; K61K
ES 2300812	IPCI	A61Q0005-04 [I,C]; A61Q0005-04 [I,A]; A61K0008-30

		[I,C]; A61K0008-41 [I,A]; A61K0008-44 [I,A]; A61K0008-64 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C]; A61K0008-81 [I,A]; A61K0008-898 [I,A]; A61K0008-96 [I,C]; A61K0008-98 [I,A]; A61Q0005-12 [I,C]; A61Q0005-12 [I,A]
	IPCR	A61Q0005-04 [I,C]; A61Q0005-04 [I,A]; A61K0008-30 [I,C]; A61K0008-41 [I,A]; A61K0008-44 [I,A]; A61K0008-49 [I,A]; A61K0008-64 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-898 [I,A]; A61K0008-96 [I,C]; A61K0008-98 [I,A]; A61Q0005-12 [I,C]; A61Q0005-12 [I,A]
	ECLA	A61K008/41; A61K008/41L; A61K008/49F1; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61Q005/12; K61K
US 20060150344	IPCI	A61K0008-00 [I,A]
	IPCR	A61K0008-00 [I,A]; A61K0008-00 [I,C]
	NCL	008/405.000
	ECLA	A61K008/898; A61K008/41L; A61K008/58C; A61K008/64; A61K008/64C; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61K008/891; A61Q005/12; K61K
HK 1086211	IPCI	A61Q [I,S]; A61K [N,S]
	IPCR	A61K0008-30 [I,C*]; A61K0008-41 [I,A]; A61K0008-49 [I,A]; A61K0008-65 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61K008/41; A61K008/41L; A61K008/49F1; A61K008/65; A61K008/73C; A61K008/81K4; A61K008/81R; A61Q005/12; K61K

AB The invention concerns a method and compns. for straightening hair by (i) applying an aq. soln. that contains a keratin-reducing agent (A); (ii) rinsing the reducing-agent contg. soln. after a time period; (iii) drying the hair; (iv) exposing the hair to straightening under heat treatment at 120-220 °C by ironing; (v) applying an aq. soln. that contains an oxidn. agent (B); (vi) rinsing off the soln. after a time period elapsed. Both A and B solns. contain conditioning agents selected from the group of cationic polymers, quaternary ammonium compds., silicones and protein hydrolyzates. Thus a component A included (wt./wt.%): 1,2-propylene glycol 2.00; cetyl/stearyl alc. (50-50% mixt.) 9.00; Lanette E 0.50; Brij 35 P 0.50; Natrosol 250 HR 0.25; ammonia (25% aq.soln.) 5.00; Turpinal SL 0.25; ammonium **thioglycolate** (71% aq.soln.) 18.00; ammonium bicarbonate 4.00; Promois Silk 1000 1.00; Dow Corning 1403 fluid 0.50; perfume 1.00; water to 100. Component B contained (wt./wt.%): cetearyl alc. 4.00; Eumulgin B3 0.50; ammonia (25% aq.soln.) 0.80; dipicolinic acid 0.10; Turpinal SL 1.70; Rheocare CTH(E) 1.00; hydrogen peroxide (50% aq.soln.) 4.00; water to 100.

ST hair straightening compn reducing oxidizing agent conditioner heat

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
([(aminoethyl)amino]propyl hydroxy, di-Me; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT **Surfactants**
(amphoteric; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT **Surfactants**
(**anionic**; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Polyelectrolytes

(cationic; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Hair preparations
(conditioners; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Cyclosiloxanes
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Me; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ester group-contg.; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Fibroin
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydrolyzates; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Onium compounds
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(imidazolium compds., 2-(C9-19 and C9-19-unsatd. alkyl)-1-[(C10-20 and C10-20-unsatd. amido)ethyl]-4,5-dihydro-1-Me, Me sulfates, Rewoquat W 575PG; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Heat treatment
Oxidizing agents
Reducing agents
Viscosity
(method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Polysiloxanes, biological studies
Protein hydrolyzates
Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT **Surfactants**
(**nonionic**; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT Hair preparations
(straighteners; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT **Surfactants**
(**zwitterionic**; method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

IT 112-02-7, Dehyquart A-CA 2809-21-4, Turpinal SL 5421-46-5, Ammonium **thioglycolate** 7651-02-7, Tegoamide S18 7722-84-1, Hydrogen peroxide, biological studies 8045-77-0, Lanette E 9002-92-0, Brij 35 P 9004-62-0, Natrosol 250 HR 9006-65-9, Dimethicone 16962-53-1D, Trimethyl ammonium, alkyl halogenide derivs. 17000-00-9D, Methylammonium, trialkyl halogenide derivs. 17000-01-0D, Dimethylammonium, dialkyl halogenide derivs. 17301-53-0, Genamin KDMP 26062-79-3, Merquat 100 26161-33-1, Rheocare CTH(E) 31692-79-2, Dimethiconol 32208-04-1, Dehyquart F75 81859-24-7, Polymer JR 400 195868-36-1, Phenyltrimethicone 205537-77-5, Dow Corning 1403 473664-54-9, Salcare SC 96
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(method and compns. for straightening hair using reducing and oxidizing agents in combination with heat)

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

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(2) Anon; PATENT ABSTRACTS OF JAPAN 1997, V1997(09)
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L17 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2003:737150 CAPLUS
DN 139:250305
ED Entered STN: 19 Sep 2003
TI Invisible patch for the controlled delivery of cosmetic, dermatological, and pharmaceutical active ingredients onto the skin
IN Shefer, Adi; Shefer, Samuel
PA USA
SO U.S. Pat. Appl. Publ., 17 pp., Cont.-in-part of U. S. Ser. No. 91,935.
CODEN: USXXCO
DT Patent
LA English
IC ICM A61K031-715
ICS A61K009-70
INCL 424449000; 514061000
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 62
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20030175333	A1	20030918	US 2003-376736	20030228
	US 20030175328	A1	20030918	US 2002-91935	20020306
	CA 2515098	A1	20040916	CA 2004-2515098	20040227
	WO 2004078122	A2	20040916	WO 2004-US6106	20040227
	WO 2004078122	A3	20050203		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1603499	A2	20051214	EP 2004-715783	20040227
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2006519263	T	20060824	JP 2006-508924	20040227
PRAI	US 2002-91935	A2	20020306		
	US 2003-376736	A	20030228		
	WO 2004-US6106	W	20040227		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 20030175333	ICM	A61K031-715
	ICS	A61K009-70

	INCL	424449000; 514061000
	IPCI	A61K0031-715 [ICM,7]; A61K0009-70 [ICS,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61F0013-02 [I,C*]; A61F0013-02 [I,A]; A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61K0008-11 [I,C*]; A61K0008-11 [I,A]; A61K0008-30 [I,C*]; A61K0008-35 [I,A]; A61K0008-368 [I,A]; A61K0008-44 [I,A]; A61K0008-67 [I,A]; A61K0008-72 [I,C*]; A61K0008-72 [I,A]; A61K0008-73 [I,A]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61K0009-50 [I,C*]; A61K0009-50 [I,A]; A61K0009-51 [I,C*]; A61K0009-51 [I,A]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0031-01 [I,C*]; A61K0031-01 [I,A]; A61K0031-045 [I,C*]; A61K0031-045 [I,A]; A61K0031-047 [I,A]; A61K0031-05 [I,A]; A61K0031-075 [I,C*]; A61K0031-085 [I,A]; A61K0031-121 [I,C*]; A61K0031-121 [I,A]; A61K0031-155 [I,C*]; A61K0031-155 [I,A]; A61K0031-165 [I,C*]; A61K0031-165 [I,A]; A61K0031-345 [I,C*]; A61K0031-345 [I,A]; A61K0031-4453 [I,C*]; A61K0031-4453 [I,A]; A61K0031-545 [I,C*]; A61K0031-545 [I,A]; A61K0031-60 [I,C*]; A61K0031-60 [I,A]; A61K0031-616 [I,A]; A61K0031-65 [I,C*]; A61K0031-65 [I,A]; A61K0031-7042 [I,C*]; A61K0031-7048 [I,A]; A61K0033-00 [I,C*]; A61K0033-00 [I,A]; A61K0033-18 [I,C*]; A61K0033-18 [I,A]; A61K0033-28 [I,C*]; A61K0033-28 [I,A]; A61K0033-38 [I,C*]; A61K0033-38 [I,A]; A61K0036-18 [I,C*]; A61K0036-18 [I,A]; A61K0036-88 [I,C*]; A61K0036-896 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61K0047-32 [I,C*]; A61K0047-32 [I,A]; A61K0047-34 [I,C*]; A61K0047-34 [I,A]; A61K0047-36 [I,C*]; A61K0047-36 [I,A]; A61K0047-38 [I,C*]; A61K0047-38 [I,A]; A61K0047-42 [I,C*]; A61K0047-42 [I,A]; A61L0015-16 [I,C*]; A61L0015-44 [I,A]; A61P0017-00 [I,C*]; A61P0017-00 [I,A]; A61P0017-02 [I,A]; A61P0017-10 [I,A]; A61P0017-12 [I,A]; A61P0017-16 [I,A]; A61Q0009-04 [I,C*]; A61Q0009-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0017-04 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-04 [I,C*]; A61Q0019-04 [I,A]; A61Q0019-08 [I,C*]; A61Q0019-08 [I,A]
	NCL	424/449.000; 514/061.000
	ECLA	A61K008/02C; A61K008/35; A61K008/368; A61K008/44; A61K008/67C; A61K008/67H; A61K008/67L; A61K008/97; A61K009/70E; A61L015/44; A61Q009/04; A61Q019/00; A61Q019/04; A61Q019/08; K61K
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		[I,C*]; A61K0031-085 [I,A]; A61K0031-121 [I,C*]; A61K0031-121 [I,A]; A61K0031-155 [I,C*]; A61K0031-155 [I,A]; A61K0031-165 [I,C*]; A61K0031-165 [I,A]; A61K0031-345 [I,C*]; A61K0031-345 [I,A]; A61K0031-4453 [I,C*]; A61K0031-4453 [I,A]; A61K0031-545 [I,C*]; A61K0031-545 [I,A]; A61K0031-60 [I,C*]; A61K0031-60 [I,A]; A61K0031-616 [I,A]; A61K0031-65 [I,C*]; A61K0031-65 [I,A]; A61K0031-7042 [I,C*]; A61K0031-7048 [I,A]; A61K0033-00 [I,C*]; A61K0033-00 [I,A]; A61K0033-18 [I,C*]; A61K0033-18 [I,A]; A61K0033-28 [I,C*]; A61K0033-28 [I,A]; A61K0033-38 [I,C*]; A61K0033-38 [I,A]; A61K0036-18 [I,C*]; A61K0036-18 [I,A]; A61K0036-88 [I,C*]; A61K0036-896 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61K0047-32 [I,C*]; A61K0047-32 [I,A]; A61K0047-34 [I,C*]; A61K0047-34 [I,A]; A61K0047-36 [I,C*]; A61K0047-36 [I,A]; A61K0047-38 [I,C*]; A61K0047-38 [I,A]; A61K0047-42 [I,C*]; A61K0047-42 [I,A]; A61L0015-16 [I,C*]; A61L0015-44 [I,A]; A61P0017-00 [I,C*]; A61P0017-00 [I,A]; A61P0017-02 [I,A]; A61P0017-10 [I,A]; A61P0017-12 [I,A]; A61P0017-16 [I,A]; A61Q0009-04 [I,C*]; A61Q0009-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0017-04 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-04 [I,C*]; A61Q0019-04 [I,A]; A61Q0019-08 [I,C*]; A61Q0019-08 [I,A]
	NCL	424/449.000
	ECLA	A61K008/02C; A61K008/35; A61K008/368; A61K008/44; A61K008/67C; A61K008/67H; A61K008/67L; A61K008/97; A61K009/70E; A61L015/44; A61Q009/04; A61Q019/00; A61Q019/04; A61Q019/08; K61K
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	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
WO 2004078122	IPCI	A61K [ICM,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
EP 1603499	IPCI	A61F0013-00 [ICM,7]
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FTERM 4C076/AA72; 4C076/AA95; 4C076/BB31; 4C076/CC01; 4C076/CC03; 4C076/CC04; 4C076/CC18; 4C076/DD03; 4C076/DD04; 4C076/DD07; 4C076/DD08; 4C076/DD09; 4C076/DD13; 4C076/DD17; 4C076/DD38A; 4C076/DD66A; 4C076/EE06A; 4C076/EE10A; 4C076/EE12A; 4C076/EE13A; 4C076/EE17A; 4C076/EE23A; 4C076/EE26A; 4C076/EE27; 4C076/EE30A; 4C076/EE31A; 4C076/EE32A; 4C076/EE38A; 4C076/FF31; 4C076/FF35; 4C083/AA112; 4C083/AB032; 4C083/AC122; 4C083/AC131; 4C083/AC181; 4C083/AC371; 4C083/AC391; 4C083/AC421; 4C083/AC441; 4C083/AC532; 4C083/AC682; 4C083/AC772; 4C083/AC781; 4C083/AC791; 4C083/AD041; 4C083/AD042; 4C083/AD051; 4C083/AD071; 4C083/AD072; 4C083/AD091; 4C083/AD111; 4C083/AD131; 4C083/AD151; 4C083/AD201; 4C083/AD202; 4C083/AD211; 4C083/AD241; 4C083/AD261; 4C083/AD271; 4C083/AD281; 4C083/AD282; 4C083/AD351; 4C083/AD391; 4C083/AD642; 4C083/AD662; 4C083/CC02; 4C083/DD12; 4C083/EE12; 4C083/EE13; 4C083/EE14; 4C083/EE16; 4C083/EE22; 4C084/AA17; 4C084/MA32; 4C084/MA63; 4C084/NA10; 4C084/ZA891

AB The present invention relates to a patch for controlled topical or transdermal delivery of effective levels of cosmetic, dermatol., and pharmaceutical active ingredients onto the skin, hair follicles, and sebaceous glands, with minimal discomfort and ease of use. The patch can be transparent or clear and comprises a rate-controlling matrix layer. The matrix layer comprises water-sensitive, bioadhesive, film forming polymers, a water sol. oligomer, and a **surfactant**. The cosmetic, dermatol., and pharmaceutical active ingredients are sol. or dispersed in the matrix. The patch becomes tacky when wetted and adheres onto the skin. The adhesive properties of the patch are sufficient to maintain the patch in place on the skin for the recommended treatment period while allowing the patch to be readily removed without causing skin irritation or leaving adhesive residue on the skin. For example, an antibiotic patch contained polyvinyl alc. 50, PVP 1, polysorbate 20 5, Maltrin 180 10, lactitol 5, glycerin 10, and chloramphenicol 0.55%.

ST patch bioadhesive polymer oligosaccharide **surfactant**; antibiotic patch PVA PVP polysorbate chloramphenicol

IT Glycosides
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkyl polyglycosides; invisible patches contg. bioadhesive polymers and **surfactants**)
IT **Surfactants**
(amphoteric; invisible patches contg. bioadhesive polymers and **surfactants**)
IT **Surfactants**
(**anionic**; invisible patches contg. bioadhesive polymers and **surfactants**)
IT **Surfactants**
(cationic; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Essential oils
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(clove; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Hair preparations
(conditioners; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Cosmetics
(depilatories; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Acne
Burn
Dandruff
Pruritus
Rhus diversiloba
Rhus toxicodendron
(drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Alcohols, biological studies
Amides, biological studies
Esters, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ethoxylated; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Hair preparations
(growth stimulants; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Vein, disease
(hemorrhoid, drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Syrups (sweetening agents)
(hydrolyzed starch; invisible patches contg. bioadhesive polymers and **surfactants**)
IT Allergy inhibitors
Aloe barbadensis
Analgesics
Anti-infective agents
Anti-inflammatory agents
Antibacterial agents
Antibiotics
Antiemetics
Antihistamines
Antimicrobial agents
Antioxidants

Antiperspirants
Antitussives
Antiviral agents
Chelating agents
Chemotherapy
Cholinergic antagonists
Deodorants
Disinfectants
Fungicides
Hemostatics
Immunomodulators
Insecticides
Radical scavengers
Sunscreens
Suntanning agents
Vasoconstrictors
Vasodilators
Wound healing promoters
(invisible patches contg. bioadhesive polymers and **surfactants**
)

IT Amine oxides
Amino acids, biological studies
Carbohydrates, biological studies
Caseins, biological studies
Flavonoids
Gelatins, biological studies
Glycerides, biological studies
Lanolin
Lecithins
Oligosaccharides, biological studies
Paraffin oils
Peptides, biological studies
Polyamides, biological studies
Polyesters, biological studies
Polyoxyalkylenes, biological studies
Polyoxyalkylenes, biological studies
Polysaccharides, biological studies
Proteins
Retinoids
Vitamins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

IT Anesthetics
(local; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(moisturizers; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**nonionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Amines, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(polyamines, nonpolymeric; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Alcohols, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)
(polyhydric, propoxylated; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(polymers; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Skin, disease
(rash, drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(skin-lightening; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Drug delivery systems
(tapes; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(wrinkle-preventing; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**zwitterionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT 36574-66-0D, N-coco acyl derivs.
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cocoamidopropylbetaine; invisible patches contg. bioadhesive polymers and **surfactants**)

IT 68-26-8, Retinol 96-26-4, Dihydroxyacetone 814-71-1, Calcium **thioglycolate** 34452-51-2, Potassium **thioglycolate**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**)

IT 50-70-4, Sorbitol, biological studies 50-70-4D, Sorbitol, oligomers contg. 50-78-2, Aspirin 50-81-7, Vitamin C, biological studies 50-99-7D, Glucose, esters 50-99-7D, D-Glucose, oligomers contg. 55-56-1, Chlorhexidine 56-81-5, Glycerin, biological studies 56-86-0D, Glutamic acid, N-acyl derivs. 57-48-7D, Fructose, oligomers contg. 57-50-1D, Sucrose, esters 57-50-1D, Sucrose, oligomers contg. 57-55-6, Propylene glycol, biological studies 58-86-6D, Xylose, oligomers contg. 59-23-4D, Galactose, oligomers contg. 59-87-0, Nitrofurazone 60-54-8, Tetracycline 69-65-8D, Mannitol, oligomers contg. 69-72-7, Salicylic acid, biological studies 69-79-4D, Maltose, oligomers contg. 87-99-0D, Xylitol, oligomers contg. 106-11-6, Diethylene glycol monostearate 107-36-8D, Isethionic acid, cocoyl derivs. 108-46-3, Resorcinol, biological studies 108-95-2, Phenol, biological studies 114-07-8, Erythromycin 115-83-3, Pentaerythritol tetrastearate 144-55-8, Sodium bicarbonate, biological studies 151-21-3, Sodium lauryl sulfate, biological studies 404-86-4, Capsaicin 497-19-8, Sodium carbonate, biological studies 585-86-4D, Lactitol, oligomers contg. 585-88-6D, Maltitol, oligomers contg. 770-35-4, Phenoxyisopropanol 1338-41-6, Sorbitan monostearate 1406-18-4, Vitamin E 2216-51-5 3380-34-5, Triclosan 3458-28-4D, D-Mannose, oligomers contg. 6284-40-8 7439-97-6, Mercury, biological studies 7440-22-4, Silver, biological studies 7553-56-2, Iodine, biological studies 8011-96-9, Calamine 8050-81-5, Simethicone 9000-01-5, Gum arabic 9002-89-5, Polyvinyl alcohol 9002-98-6 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone 9004-64-2, Hydroxypropyl cellulose 9005-25-8, Starch, biological studies 9005-25-8D, Starch, hydrolyzates 9005-64-5, Polysorbate 20 9011-13-6, Styrene-maleic anhydride copolymer

9011-16-9, Methyl vinyl ether-maleic anhydride copolymer 11099-07-3, Glycerin stearate 11111-12-9, Cephalosporin 11140-06-0, Glycerin palmitate 12694-22-3, Diglyceryl monostearate 13718-94-0D, Palatinose, oligomers contg. 15687-27-1, Ibuprofen 18323-44-9, Clindamycin 25322-68-3, Polyethylene glycol 25322-69-4 25655-41-8, Povidone iodine 26658-19-5, Sorbitan tristearate 27195-16-0, Sucrose distearate 30233-64-8, Glyceryl monobehenate 39529-26-5, Decaglyceryl decastearate 42852-72-2 53998-08-6, Sarcosinate 63119-59-5, Diglycerin distearate 68424-04-4, Polydextrose 71185-87-0, Hexaglyceryl tristearate 75537-01-8, Gantrez S-97 95461-64-6, Decaglyceryl pentastearate 99734-29-9, Tetraglyceryl tristearate 99880-64-5, Glyceryl dibehenate 106392-12-5, Polyoxyethylene polyoxypropylene block copolymer
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

IT 56-75-7, Chloramphenicol 94-09-7, Benzocaine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

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(FILE 'HOME' ENTERED AT 00:05:08 ON 23 MAY 2009)

FILE 'CAPLUS' ENTERED AT 00:05:27 ON 23 MAY 2009
S 22811-02-5/REG# OR 10220-46-9/REG# OR 2917-26-2/REG# OR 28

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L2 2011 S L1

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L3 1 S 2917-26-2/RN

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L7 1 S 22811-02-5/RN

FILE 'CAPLUS' ENTERED AT 00:12:46 ON 23 MAY 2009
L8 6 S L7
L9 32684 S L8 OR L6 OR L4 OR L2 OR THIOGLYCOLATE OR MERCAPTOACETATE OR H
L10 84695 S (NONIONIC OR NON-IONIC OR ANIONIC OR ZWITTERIONIC) AND SURFAC
L11 319 S L9 AND L10
L12 6680 S METAL TREAT##### OR TREAT####### METAL
L13 1 S L11 AND L12
L14 522045 S SILVER OR AG
L15 12 S L11 AND L14
L16 1173 S (NONIONIC OR NON-IONIC) AND ANIONIC AND ZWITTERIONIC AND SURF

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L17           3 S L11 AND L16

=> s l11 and l14
L18          12 L11 AND L14

=> s l18 not l15
L19           0 L18 NOT L15

=> d l18 1-12 all

L18  ANSWER 1 OF 12  CAPLUS  COPYRIGHT 2009 ACS on STN
Full Text
AN   2008:1046144  CAPLUS
DN   149:312963
ED   Entered STN:  29 Aug 2008
TI   Preparation of conductive supported noble metal nanoparticle catalysts
IN   Stucky, Galen D.; Zheng, Nanfeng
PA   The Regents of the University of California, USA
SO   U.S. Pat. Appl. Publ., 35pp.
     CODEN: USXXCO
DT   Patent
LA   English
INCL 428403000; 216055000; 428402000; 264005000; 264007000; 502100000;
     502300000; 502159000; 502355000; 502350000
CC   56-4 (Nonferrous Metals and Alloys)
     Section cross-reference(s): 57, 67
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   US 20080206562       A1    20080828    US 2008-13436          20080112
PRAI US 2007-884668P      P     20070112
CLASS
 PATENT NO.      CLASS  PATENT FAMILY CLASSIFICATION CODES
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 US 20080206562  INCL   428403000; 216055000; 428402000; 264005000; 264007000;
                        502100000; 502300000; 502159000; 502355000; 502350000
                 IPCI   B32B0015-02 [I,A]; C23F0001-00 [I,A]; B29B0009-00
                        [I,A]; B29B0009-16 [I,A]; B01J0031-06 [I,A];
                        B01J0021-04 [I,A]; B01J0021-08 [I,A]; B01J0023-34
                        [I,A]; B01J0023-16 [I,C*]; B01J0029-00 [I,A];
                        B01J0021-18 [I,A]; B01J0021-00 [I,C*]; B01J0027-06
                        [I,A]; B01J0023-42 [I,A]; B01J0023-44 [I,A];
                        B01J0023-50 [I,A]; B01J0023-52 [I,A]; B01J0023-48
                        [I,C*]; B01J0027-02 [I,A]; B01J0027-24 [I,A];
                        B01J0031-02 [I,A]; B01J0023-755 [I,A]; B01J0031-26
                        [I,A]
                 NCL    428/403.000; 216/055.000; 216/083.000; 264/005.000;
                        264/007.000; 428/402.000; 502/080.000; 502/087.000;
                        502/100.000; 502/150.000; 502/159.000; 502/167.000;
                        502/168.000; 502/171.000; 502/180.000; 502/181.000;
                        502/200.000; 502/216.000; 502/232.000; 502/300.000;
                        502/325.000; 502/337.000; 502/339.000; 502/340.000;
                        502/344.000; 502/345.000; 502/347.000; 502/349.000;
                        502/350.000; 502/355.000
AB   The prepn. of elec.-conductive noble metal nanoparticle catalysts on
     catalyst supports such as alumina, silica, titania, clays, zeolites, or
     carbon black, is described.
ST   gold silver palladium nanocatalyst support sol gel micelle ceramic
IT   Solvents
        (aprotic; prepn. of conductive supported noble metal nanoparticle
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catalysts)
IT Polyethers, uses
RL: MOA (Modifier or additive use); USES (Uses)
(arom., alkyl-, **surfactants**; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Thiols, uses
RL: MOA (Modifier or additive use); USES (Uses)
(caps on catalyst nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Bentonite, processes
Carbon black, processes
Clays, processes
Diatomite
Silica gel, processes
Zeolites (synthetic), processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Nanoparticles
(catalysts; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Alcohols, uses
RL: MOA (Modifier or additive use); USES (Uses)
(ethoxylated, **surfactants**; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Hydrocarbons, processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(fluoro, catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)
IT **Surfactants**
(in coatings; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Electroluminescent devices
Molecular electronic devices
Optoelectronics
Secondary batteries
Semiconductor devices
Sensors
Solar cells
(nanocatalysts for; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Photolysis catalysts
(nanocatalysts; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Catalysts
Semiconductor materials
(nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)
IT **Surfactants**
(**nonionic**; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Silsesquioxanes
RL: RGT (Reagent); RACT (Reactant or reagent)
(octyl- and hexyl-; prepn. of conductive supported noble metal nanoparticle catalysts)
IT Dyes
(org.-, functional mol.; prepn. of conductive supported noble metal nanoparticle catalysts)

IT Calcination
Catalyst supports
Etching
Reducing agents
(prepn. of conductive supported noble metal nanoparticle catalysts)

IT 7440-44-0, Carbon, processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(activated, catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 64-17-5, Ethanol, uses
RL: NUU (Other use, unclassified); USES (Uses)
(buffer soln.; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 49543-63-7, 4-(tert-Butyl)benzyl **mercaptan**
RL: MOA (Modifier or additive use); USES (Uses)
(cap on nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1322-36-7, Dodecanethiol
RL: MOA (Modifier or additive use); USES (Uses)
(caps on catalyst nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 7440-02-0P, Nickel, preparation 7440-05-3P, Palladium, preparation 7440-06-4P, Platinum, preparation 7440-22-4P, **Silver**, preparation 7440-50-8P, Copper, preparation 7440-57-5P, Gold, preparation 12006-51-8P, AuCu
RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(catalyst nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1309-48-4, Magnesium oxide (MgO), processes 1314-23-4, Zirconia, processes 1344-28-1, Aluminum oxide (Al2O3), processes 7631-86-9, Silica, processes 7782-42-5, Graphite, processes 13463-67-7, Titania, processes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(catalyst supports; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1306-38-3, Cerium oxide (CeO2), uses 1313-13-9, Manganese oxide (MnO2), uses 1313-96-8, Niobium oxide (Nb2O5)
RL: MOA (Modifier or additive use); USES (Uses)
(coatings on colloidal silica; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 12638-19-6P
RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(nanoparticles; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 2966-50-9, **Silver** trifluoroacetate 14024-17-0, Iron acetyl acetonate 14024-61-4 14024-64-7 16902-59-3 17927-72-9 19443-16-4 19443-17-5 23894-00-0 23894-03-3 24772-51-8 27858-32-8, Titanium diisopropoxide bis(ethyl acetoacetate) 62905-51-5 65574-21-2 65583-10-0 66197-44-2 82269-80-5 93918-06-0, Aluminum sec-butoxide bis(ethyl acetoacetate) 98719-26-7 140190-96-1 144665-26-9 204522-78-1 299957-41-8 380240-62-0 1050499-47-2 1050499-48-3 1050499-49-4 1050499-50-7 1050499-51-8 1050499-52-9 1050499-53-0 1050499-54-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(precursors; prepn. of conductive supported noble metal nanoparticle catalysts)

IT 1313-99-1, Nickel oxide, uses 1345-25-1, Ferrous oxide, uses 11104-61-3, Cobalt oxide
RL: MOA (Modifier or additive use); USES (Uses)
(prepn. of conductive supported noble metal nanoparticle catalysts)
IT 78-07-9, Ethyltriethoxysilane 78-10-4, Tetraethoxysilane 681-84-5, Tetramethoxysilane 682-01-9, Tetrapropoxysilane 1185-55-3, Methyltrimethoxysilane 1336-21-6, Ammonium hydroxide ((NH4)(OH)) 2031-67-6, Methyltriethoxysilane 4766-57-8, Tetrabutoxysilane 30232-12-3 192082-40-9, Mercaptoundecanoic acid
RL: RGT (Reagent); RACT (Reactant or reagent)
(prepn. of conductive supported noble metal nanoparticle catalysts)
IT 1722-26-5, Triethylamine-borane 4856-95-5 7337-45-3, tert-Butylamine-borane 13774-81-7, Ammonia-borane
RL: RGT (Reagent); RACT (Reactant or reagent)
(reducing agents; prepn. of conductive supported noble metal nanoparticle catalysts)
IT 67-66-3, Chloroform, uses 71-43-2, Benzene, uses 75-09-2, Dichloromethane, uses 108-88-3, Toluene, uses 110-54-3, Hexane, uses 110-82-7, Cyclohexane, uses
RL: NUU (Other use, unclassified); USES (Uses)
(solvent; prepn. of conductive supported noble metal nanoparticle catalysts)
IT 14243-64-2
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(substrates; prepn. of conductive supported noble metal nanoparticle catalysts)
IT 577-11-7, Sodium bis(2-ethylhexyl) sulfosuccinate 9002-89-5, Polyvinyl alcohol 9002-92-0, Brij 30 9004-98-2, Brij 97 9036-19-5, (Octylphenoxy)polyethoxyethanol 12441-09-7D, Sorbitan, ester derivs. 27251-32-7
RL: MOA (Modifier or additive use); USES (Uses)
(**surfactants**; prepn. of conductive supported noble metal nanoparticle catalysts)

L18 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2007:415891 CAPLUS
DN 146:463862
ED Entered STN: 16 Apr 2007
TI Discoloration prevention of metals using organic ultra-thin films and methods therefor
IN Liang, Chenghao; Yang, Changjiang; Huang, Naibao
PA Dalian Maritime University, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10pp.
CODEN: CNXXEV
DT Patent
LA Chinese
CC 42-10 (Coatings, Inks, and Related Products)
Section cross-reference(s): 46, 56
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1943882	A	20070411	CN 2006-10134093	20061026
PRAI	CN 2006-10134093		20061026		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
CN 1943882	IPCI	B05D0007-14 [I,A]; B05D0007-24 [I,A]; B05D0003-10 [I,A]; C23C0022-05 [I,A]; C07C0321-04 [I,A]; C07C0321-00 [I,C*]

IPCR B05D0007-14 [I,C]; B05D0007-14 [I,A]
OS MARPAT 146:463862
AB Film-forming solns. contain 0.001-1 mol/L alkyl thiols and 0.001-1 mol/L **surfactants**. Thus, a coating soln. on **Ag** contained stearyl thiol 15, polyethylene glycol nonylphenyl ether 7, hexadecyltrimethylammonium bromide 2, Pluronic 64 7 g/L.
ST metal discoloration prevention coating **surfactant** thiol; **silver** discoloration prevention coating **surfactant** thiol
IT **Surfactants**
(**anionic**; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT **Surfactants**
(cationic; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT Discoloration prevention
(coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT Quaternary ammonium compounds, uses
Thiols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT Coating materials
(discoloration-resistant; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT 691397-13-4, Pluronic L 64
RL: TEM (Technical or engineered material use); USES (Uses)
(Pluronic L 64; coating materials contg. thiols and **surfactants** for discoloration prevention of metals)
IT 57-09-0, Hexadecyltrimethylammonium bromide **2885-00-9**, Stearylmercaptan 7440-22-4, **Silver**, uses 9016-45-9, Polyethylene glycol nonylphenyl ether
RL: TEM (Technical or engineered material use); USES (Uses)
(coating materials contg. thiols and **surfactants** for discoloration prevention of metals)

L18 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2007:150387 CAPLUS
DN 146:236227
ED Entered STN: 09 Feb 2007
TI Conductive adhesive composition comprising pressure sensitive adhesive and electrolyte
IN Menon, Vinod P.; Kumar, Kanta; Nelson, Carl T.; Rizzardi, Don A.
PA 3M Innovative Properties Company, USA
SO U.S. Pat. Appl. Publ., 20pp.
CODEN: USXXCO
DT Patent
LA English
INCL 600391000; 600392000; 252500000
CC 63-7 (Pharmaceuticals)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20070032719	A1	20070208	US 2005-197216	20050804
	AU 2006278717	A1	20070215	AU 2006-278717	20060801
	CA 2617273	A1	20070215	CA 2006-2617273	20060801
	WO 2007019115	A1	20070215	WO 2006-US29794	20060801

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,

GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

EP	1917318	A1	20080507	EP 2006-789019	20060801
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP	2009503235	T	20090129	JP 2008-525088	20060801
MX	2008001425	A	20080416	MX 2008-1425	20080129
KR	2008040689	A	20080508	KR 2008-702725	20080201
CN	101238189	A	20080806	CN 2006-80028822	20080204
IN	2008CN00571	A	20081128	IN 2008-CN571	20080204
PRAI US	2005-197216	A	20050804		
WO	2006-US29794	W	20060801		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 20070032719	INCL	600391000; 600392000; 252500000
	IPCI	A61B0005-04 [I,A]; H01B0001-12 [I,A]; H01B0001-00 [I,A]
	IPCR	A61B0005-04 [I,C]; A61B0005-04 [I,A]; H01B0001-00 [I,C]; H01B0001-00 [I,A]; H01B0001-12 [I,C]; H01B0001-12 [I,A]
	NCL	600/391.000; 252/500.000; 600/392.000
	ECLA	C09J009/02; A61B005/0408F; A61N001/04; C09J133/04+B4; C09J133/06+B2; H01B001/20; K61B; M08L; M08L; M08L
AU 2006278717	IPCI	C09J0009-00 [I,C]; C09J0009-02 [I,A]
	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]
	ECLA	C09J009/02; A61B005/0408F; A61N001/04; C09J133/04+B4; C09J133/06+B2; H01B001/20; K61B; M08L; M08L; M08L
CA 2617273	IPCI	A61B0005-0408 [I,A]; A61B0018-14 [I,A]; A61K0050-00 [I,A]; A61N0001-04 [I,A]; C09J0009-02 [I,A]; C09J0009-00 [I,C*]; C09J0011-06 [I,A]; C09J0011-02 [I,C*]
	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]; A61B0005-0408 [I,C]; A61B0005-0408 [I,A]; A61B0018-14 [I,C]; A61B0018-14 [I,A]; A61K0050-00 [I,C]; A61K0050-00 [I,A]; A61N0001-04 [I,C]; A61N0001-04 [I,A]; C09J0011-02 [I,C]; C09J0011-06 [I,A]
WO 2007019115	IPCI	C09J0009-02 [I,A]; C09J0009-00 [I,C*]
	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]
	ECLA	C09J009/02; A61B005/0408F; A61N001/04; C09J133/04+B4; C09J133/06+B2; H01B001/20; K61B; M08L; M08L; M08L
EP 1917318	IPCI	C09J0009-02 [I,A]; C09J0009-00 [I,C*]
	IPCR	C09J0009-00 [I,C]; C09J0009-02 [I,A]
JP 2009503235	IPCI	C09J0201-00 [I,A]; C09J0009-02 [I,A]; C09J0009-00 [I,C*]; C09J0004-02 [I,A]; A61L0024-00 [I,A]; A61N0001-04 [I,A]
	FTERM	4C053/BB04; 4C053/BB06; 4C053/BB07; 4C053/BB23; 4C053/BB35; 4C053/BB36; 4C081/AA10; 4C081/AA12; 4C081/AC04; 4C081/BB03; 4C081/BB04; 4C081/CA061; 4C081/CA071; 4C081/CA081; 4C081/CA101; 4C081/CA16; 4C081/CA181; 4C081/CA211; 4C081/CA281; 4C081/CE07; 4C081/CE09; 4C081/CE10; 4C081/DA02; 4C081/DA12; 4C081/DB07; 4C081/DC03; 4C081/DC04; 4J040/FA041;

4J040/FA081; 4J040/FA091; 4J040/FA101; 4J040/FA131;
4J040/FA141; 4J040/FA161; 4J040/FA281; 4J040/FA291;
4J040/HB04; 4J040/HB10; 4J040/HB11; 4J040/HB14;
4J040/HC01; 4J040/HD02; 4J040/HD18; 4J040/HD23;
4J040/JA03; 4J040/JB09; 4J040/KA12; 4J040/KA13;
4J040/KA32; 4J040/KA38; 4J040/KA39; 4J040/MA14;
4J040/NA02

MX 2008001425 IPCI C09J0009-02 [I,A]; C09J0009-00 [I,C*]
KR 2008040689 IPCI C09J0009-02 [I,A]; C09J0009-00 [I,C*]
CN 101238189 IPCI C09J0009-02 [I,A]; C09J0009-00 [I,C*]
IN 2008CN00571 IPCI C09J0009-02 [ICM,7]; C09J0009-00 [ICM,7,C*]

OS MARPAT 146:236227

AB A conductive adhesive compn. is provided and articles that include the adhesive compn. as a component thereof. The conductive adhesive compn. comprises: (a) pressure sensitive adhesive; (b) electrolyte comprising water sol. or water dispersible org. chloride; and (c) humectant. In some embodiments, the conductive adhesive compn. is a bicontinuous compn. comprising an aq. phase and an oil phase, and the bicontinuous compn. may be derived from a polymerizable microemulsion compn., the microemulsion compn. comprising: an aq. phase comprising one or more hydrophilic monomers or oligomers and/or one or more amphiphilic monomers or oligomers in water, the water-sol. or water-dispersible org. chloride, **surfactant** and humectant; and an oil phase comprising one or more hydrophobic monomers or oligomers. Biomedical articles such as biomedical electrodes, may incorporate the foregoing adhesive as a component. For example, adhesive precursor comprised of acrylic acid 15 g, 2-hydroxyethyl methacrylate 20 g, tetrakis(hydroxymethyl)phosphonium chloride 11 g, 1,3-butylene glycol 25 g, glycerol 10 g, water 19 g, Irgacure 2959 0.55 g and polyethylene glycol diacrylate 0.15 g. The precursor was coated using a knife coater onto a release liner as substrate. The knife was set so that a 25 mil (0.64 mm) thick coating was obtained. Polymn. was induced in the coated microemulsion by exposure to UV radiation. A total dose of 1800 mJ/cm2 was applied over approx. 7 min, forming a conductive, bicontinuous adhesive. This conductive adhesive had an excellent adhesion to human skin.

ST polymer acrylate electrolyte chloride conductive adhesive

IT Polyurethanes, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(acrylates; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Electric conductors
(adhesive; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Fats and Glyceridic oils, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(almond, amidopropalkonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT **Surfactants**
(**anionic**; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Fats and Glyceridic oils, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(avocado, amidopropalkonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT **Surfactants**
(cationic; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT Onium compounds
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(chloride; conductive adhesive compn. comprising pressure sensitive

adhesive and electrolyte)
IT Quaternary ammonium compounds, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(chlorides; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Fatty acids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(coco, trimethylammonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Chain transfer agents
Crosslinking agents
Electrodes
Electrolytes
Human
Humectants
Hydrogels
Surfactants
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Alcohols, uses
Thiols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Acrylic polymers, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Sulfonium compounds
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Adhesives
(conductive; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Soybean oil
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(dimethylammonium chloride; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT **Surfactants**
(**nonionic**; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Chlorides, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(org.; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Adhesives
(pressure-sensitive; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT Fatty acids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tallow, bishydroxyethyl/dime quaternary ammonium compds.; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT 558-13-4, Carbon tetrabromide 25103-09-7, Isooctyl **thioglycolate**
, uses
RL: NUU (Other use, unclassified); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)
IT 1070-70-8, 1,4-Butanediol diacrylate 1321-74-0, Divinylbenzene, reactions 10526-04-2, 1,8-Octanediol diacrylate 13048-33-4,

1,6-Hexanediol diacrylate
RL: RCT (Reactant); RACT (Reactant or reagent)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT 56-34-8, Tetraethylammonium chloride 56-37-1, Benzyltriethylammonium chloride 56-81-5, Glycerin, biological studies 56-93-9, Benzyltrimethylammonium chloride 57-55-6, Propylene glycol, biological studies 67-48-1 77-99-6, Trimethylolpropane 88-12-0D, polymer 107-21-1, Ethylene glycol, biological studies 107-88-0, 1,3-Butanediol 110-63-4, 1,4-Butanediol, biological studies 112-00-5, Dodecyltrimethylammonium chloride 112-02-7, Hexadecyltrimethylammonium chloride 112-03-8, Octadecyltrimethylammonium chloride 124-64-1, Tetrakis(hydroxymethyl)phosphonium chloride 139-08-2, Tetradecyldimethylbenzylammonium chloride 593-81-7D, Trimethylammonium chloride, coco fatty acid derivs. 7173-51-5 9004-98-2, Brij 98 9042-76-6 17301-53-0, Behenyltrimethylammonium chloride 24567-53-1, Phosphonium chloride 25265-71-8, Dipropylene glycol 26570-48-9, Polyethylene oxide diacrylate 26597-36-4 32862-91-2, Oxonium chloride 60182-11-8, Polyethylene glycol acrylate 93507-51-8 106797-53-9, IRGACURE 2959 123776-56-7 145687-02-1, Pemulen TR 2 463965-14-2 923929-97-9 923929-99-1 924299-17-2, Hetoxol OL 35
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

IT 7783-90-6, **Silver** chloride, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(conductive ink soln.; conductive adhesive compn. comprising pressure sensitive adhesive and electrolyte)

L18 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2005:1062684 CAPLUS
DN 143:351549
ED Entered STN: 05 Oct 2005
TI Water-based sulfur-containing composition chemical mechanical polishing of nonferrous metals
IN Johns, Peter Gamon; Harrison, Clare Elizabeth
PA Middlesex Silver Co. Limited, UK
SO Brit. UK Pat. Appl., 29 pp.
CODEN: BAXXDU
DT Patent
LA English
IC ICM C23F011-16
ICS C23F011-00
CC 57-7 (Ceramics)
Section cross-reference(s): 56
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2412666	A	20051005	GB 2004-7163	20040330
	GB 2412666	B	20081008		
	AU 2005229275	A1	20051013	AU 2005-229275	20050324
	CA 2559989	A1	20051013	CA 2005-2559989	20050324
	WO 2005095675	A1	20051013	WO 2005-GB50043	20050324

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP	1730325	A1	20061213	EP 2005-718135	20050324
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN	1946878	A	20070411	CN 2005-80013434	20050324
JP	2007537354	T	20071220	JP 2007-505641	20050324
IN	2006DN05356	A	20070713	IN 2006-DN5356	20060915
MX	2006010964	A	20061116	MX 2006-10964	20060925
US	20070277906	A1	20071206	US 2007-594477	20070702
PRAI GB	2004-7163	A	20040330		
WO	2005-GB50043	W	20050324		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
GB 2412666	ICM	C23F011-16
	ICS	C23F011-00
	IPCI	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C23F0011-00 [I,C]; C23F0011-00 [I,A]
	IPCR	C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B
AU 2005229275	IPCI	C11D0003-00 [I,C*]; C09G0001-00 [I,C*]; C11D0003-34 [I,C*]; C11D0011-00 [I,C*]; C23F0011-10 [I,C*]; C11D0003-00 [I,A]; C09G0001-02 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C23F0011-16 [I,A]
	IPCR	C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
CA 2559989	IPCI	C09G0001-02 [I,A]; C09G0001-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C23F0011-16 [I,A]; C23F0011-10 [I,C*]
	IPCR	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C09G0001-00 [I,C]; C09G0001-02 [I,A]; C11D0003-00 [I,C]; C11D0003-00 [I,A]; C11D0003-34 [I,C]; C11D0003-34 [I,A]; C11D0011-00 [I,C]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B
WO 2005095675	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]; C11D0003-00 [ICS,7]; C11D0003-34 [ICS,7]; C11D0011-00 [ICS,7]; C09G0001-02 [ICS,7]; C09G0001-00 [ICS,7,C*]
	IPCR	C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
EP 1730325	IPCI	C23F0011-16 [I,A]; C23F0011-10 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]
	IPCR	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C09G0001-00 [I,C]; C09G0001-02 [I,A]; C11D0003-00 [I,C]; C11D0003-00 [I,A]; C11D0003-34 [I,C]; C11D0003-34 [I,A]; C11D0011-00 [I,C]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B

CN 1946878	IPCI	C23F0011-16 [I,A]; C23F0011-10 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,A]; C11D0011-00 [I,A]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]
	IPCR	C23F0011-10 [I,C]; C23F0011-16 [I,A]; C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-34 [I,C*]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]
	ECLA	C23F011/16; C23F011/16B
JP 2007537354	IPCI	C23C0022-58 [I,A]; C11D0003-34 [I,A]; C23C0022-68 [I,A]; C23C0022-05 [I,C*]; C11D0003-20 [I,A]; C11D0001-52 [I,A]; C11D0001-38 [I,C*]; C11D0001-72 [I,A]; C11D0001-79 [I,A]; C11D0001-755 [I,A]; C11D0001-75 [I,A]; C11D0001-722 [I,A]; C11D0001-14 [I,A]; C11D0001-02 [I,C*]; C11D0001-90 [I,A]; C11D0001-88 [I,C*]; C11D0003-04 [I,A]; C11D0001-68 [I,A]; C09K0003-14 [I,A]
	IPCR	C23C0022-05 [I,C]; C23C0022-58 [I,A]; C09G0001-00 [I,C*]; C09G0001-02 [I,A]; C09K0003-14 [I,C]; C09K0003-14 [I,A]; C11D0001-02 [I,C]; C11D0001-14 [I,A]; C11D0001-38 [I,C]; C11D0001-52 [I,A]; C11D0001-68 [I,C]; C11D0001-68 [I,A]; C11D0001-72 [I,C]; C11D0001-72 [I,A]; C11D0001-722 [I,C]; C11D0001-722 [I,A]; C11D0001-75 [I,C]; C11D0001-75 [I,A]; C11D0001-755 [I,C]; C11D0001-755 [I,A]; C11D0001-79 [I,C]; C11D0001-79 [I,A]; C11D0001-88 [I,C]; C11D0001-90 [I,A]; C11D0003-00 [I,C*]; C11D0003-00 [I,A]; C11D0003-04 [I,C]; C11D0003-04 [I,A]; C11D0003-20 [I,C]; C11D0003-20 [I,A]; C11D0003-34 [I,C]; C11D0003-34 [I,A]; C11D0011-00 [I,C*]; C11D0011-00 [I,A]; C23C0022-68 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	FTERM	4H003/AB27; 4H003/AC02; 4H003/AC10; 4H003/AC13; 4H003/AD04; 4H003/BA12; 4H003/DA15; 4H003/EA12; 4H003/EA19; 4H003/EB05; 4H003/EB18; 4H003/EB21; 4H003/ED02; 4H003/FA05; 4K026/AA01; 4K026/AA06; 4K026/CA15; 4K026/CA37; 4K026/DA02; 4K026/DA03
IN 2006DN05356	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
MX 2006010964	IPCI	C09G0001-02 [ICM,7]; C09G0001-00 [ICM,7,C*]; C11D0011-00 [ICS,7]; C11D0003-00 [ICS,7]; C11D0003-34 [ICS,7]; C23F0011-16 [ICS,7]; C23F0011-10 [ICS,7,C*]
US 20070277906	IPCI	C23F0011-16 [I,A]; C23F0011-10 [I,C*]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]; C11D0011-00 [I,A]; C11D0003-00 [I,A]; C11D0003-34 [I,A]
	NCL	148/022.000

OS MARPAT 143:351549

AB A compn. and assocd. method of manuf. of a water based compn. comprising a treatment agent selected from an alkanethiol, alkyl thioglycollate, and dialkyl sulfide or dialkyl disulfide. The compn. also includes at least one of an amphoteric, **non-ionic** or cationic **surfactant**, where the treatment agent is directly dissolved or dispersed the water contg. the amphoteric, **non-ionic** or cationic **surfactant**. The compn. is particularly useful for the treatment of **Ag**-Cu-Ge alloy, copper, brass, and nickel. A solid polishing medium can also be included in the compn., for example, silica or pptd. chalk, alumina, or silica.

ST chalk alumina silica alkanethiol thioglycollate chem mech polishing copper

IT Thiols, processes
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(alkanethiol; water-based sulfur-contg. compn. chem. mech. polishing of

metals)
IT Disulfides
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(alkyl; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT Chalk
Diatomite
RL: TEM (Technical or engineered material use); USES (Uses)
(as abrasive; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT **Surfactants**
(cationic; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT Polishing
(chem.-mech.; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT Polishing materials
(paste; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT Thioethers
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 1344-28-1, Alumina, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(abrasive; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 9004-82-4, Sodium laureth sulfate
RL: MOA (Modifier or additive use); USES (Uses)
(**anionic surfactant**; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 7631-86-9, Silica, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(as abrasive; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 36574-66-0D, N-coco acyl derivs.
RL: MOA (Modifier or additive use); USES (Uses)
(cocamidopropyl betaine, **surfactant**; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 7440-02-0, Nickel, processes 7440-50-8, Copper, processes 11144-43-7 12597-71-6, Brass, processes 74969-69-0
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(polished substrate; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 62-56-6, Thiourea, uses **2885-00-9**, Octadecyl **mercaptan**
RL: TEM (Technical or engineered material use); USES (Uses)
(polishing compn. component; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT **2917-26-2**, Hexadecyl **mercaptan**
RL: MOA (Modifier or additive use); USES (Uses)
(**surfactant**; water-based sulfur-contg. compn. chem. mech. polishing of metals)
IT 68-11-1D, alkyl esters
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(water-based sulfur-contg. compn. chem. mech. polishing of metals)
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Anon; EP 0492487 A1 CAPLUS
(2) Anon; GB 0956927 A
(3) Anon; GB 1117510 A
(4) Anon; US 3503883 A
(5) Anon; US 3518098 A
(6) Anon; US 5650385 A CAPLUS

L18 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2005:622423 CAPLUS
DN 143:295501
ED Entered STN: 19 Jul 2005
TI Single Etch Patterning of Stacked **Silver** and Molybdenum Alloy Layers on Glass Using Microcontact Wave Printing
AU Burdinski, Dirk; Brans, Harold J. A.; Decre, Michel M. J.
CS Philips Research, Eindhoven, 5656 AA, Neth.
SO Journal of the American Chemical Society (2005), 127(31), 10786-10787
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 56
AB Stacked thin layers of **silver** alloy (AgPdCu) and MoCr layers on 10 × 15 cm2 glass substrates were patterned by microcontact wave printing and etching. Patterns of etch-resistant **octadecanethiol** self-assembled monolayers (SAMs) were wave printed with regular backplane stabilized PDMS stamps. Pattern development was achieved by etching both metal layers in a single step, employing a nitric acid-based etching bath. Trifluoroacetic acid and a nitrite salt were identified as essential bath components for a homogeneous etching process. Etch defects could be eliminated by the addn. of a decanesulfonate, which stabilizes the SAM resist via a defect healing mechanism.
ST etching **silver** molybdenum alloy electrode display
IT Liquid crystal displays
(active matrix; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing as electrodes for)
IT **Surfactants**
(**anionic**; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)
IT Lithography
(microcontact printing; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)
IT Autocatalysis
Electrodes
Etching
Glass substrates
Self-assembled monolayers
(single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)
IT 64-19-7, Acetic acid, processes 76-05-1, Trifluoroacetic acid, processes 7632-00-0, Sodium nitrite 7664-38-2, Phosphoric acid, processes 7697-37-2, Nitric acid, processes

RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(etchant; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT **2885-00-9**, 1-**Octadecanethiol**
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(ink, self-assembled monolayer; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT 188820-19-1 317855-00-8
RL: CPS (Chemical process); DEV (Device component use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)
(single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

IT 13419-61-9, Sodium decane sulfonate
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(**surfactant** for etching soln.; single etch patterning of stacked **silver** and molybdenum alloy layers on glass using microcontact wave printing)

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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(2) Balbaud, F; Corros Sci 2000, V42, P1685 CAPLUS
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(31) Xia, Y; J Electrochem Soc 1996, V143, P1070 CAPLUS

L18 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2004:847649 CAPLUS
DN 141:353637

ED Entered STN: 15 Oct 2004
TI Pretreatment of **Ag**-alloy surface with organosulfur compounds for tarnishing prevention
IN Johns, Peter Gammon; Harrison, Clare Elizabeth
PA Middlesex Silver Co. Limited, UK
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C23F011-16
CC 56-6 (Nonferrous Metals and Alloys)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087996	A1	20041014	WO 2004-GB1373	20040330
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004225693	A1	20041014	AU 2004-225693	20040330
	CA 2520807	A1	20041014	CA 2004-2520807	20040330
	EP 1611267	A1	20060104	EP 2004-724313	20040330
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1780937	A	20060531	CN 2004-80011375	20040330
	JP 2006523266	T	20061012	JP 2006-506057	20040330
	IN 2005DN04346	A	20070831	IN 2005-DN4346	20050926
	MX 2005010452	A	20060510	MX 2005-10452	20050928
	US 20070039665	A1	20070222	US 2005-551476	20050929
PRAI	GB 2003-7290	A	20030331		
	WO 2004-GB1373	W	20040330		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004087996	ICM	C23F011-16
	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
AU 2004225693	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
CA 2520807	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
EP 1611267	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16; C23F011/16B
CN 1780937	IPCI	C23F0011-16 [I,A]; C23F0011-10 [I,C*]
	ECLA	C23F011/16; C23F011/16B
JP 2006523266	IPCI	C23F0011-00 [I,A]; C22C0005-06 [I,A]; C22C0005-08 [I,A]
	IPCR	C23F0011-00 [I,C]; C23F0011-00 [I,A]; C22C0005-06 [I,C]; C22C0005-06 [I,A]; C22C0005-08 [I,A]; C23F0011-10 [I,C*]; C23F0011-16 [I,A]

	FTERM	4K062/AA01; 4K062/BB21; 4K062/BC22; 4K062/FA16
IN 2005DN04346	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
MX 2005010452	IPCI	C23F0011-16 [ICM,7]; C23F0011-10 [ICM,7,C*]
	ECLA	C23F011/16; C23F011/16B
US 20070039665	IPCI	C23G0001-00 [I,A]; C23C0022-58 [I,A]; C23C0022-05 [I,C*]
	NCL	148/271.000; 134/002.000

AB The **Ag** alloys contg. minor Ge (esp. **Ag**-Cu-Ge alloys) to decrease the fire stain discoloration are pretreated on the surface with an alkanethiol, alkyl thioglycollate, dialkyl sulfide, or dialkyl disulfide to prevent tarnishing. The treatment with organosulfur compds. is suitable for manufd. **Ag**-alloy articles to prevent tarnished appearance during transit and the subsequent extended display without special packaging. The **Ag**-alloy surface is optionally treated with aq. soln. contg. an alkanethiol, alkyl thioglycollate, dialkyl sulfide, or dialkyl disulfide, as well as a mixt. of **anionic surfactant** and amphoteric or **nonionic surfactant** to solubilize the treatment agent. The typical ternary alloy contains **Ag** 80-96, Cu 1-19.9, and Ge 0.1-5%.

ST **silver** copper germanium alloy tarnishing prevention organosulfur

IT **Surfactants**
(**anionic**, in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT **Surfactants**
(in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT **Surfactants**
(**nonionic**, in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT Tarnishing
(prevention of; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT Thioethers
Thiols, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tarnishing prevention by; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT 7440-56-4, Germanium, uses
RL: MOA (Modifier or additive use); USES (Uses)
(**Ag** alloys contg., tarnishing prevention on; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT 106-94-5, n-Propyl bromide
RL: TEM (Technical or engineered material use); USES (Uses)
(solvent, in tarnishing prevention; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT **2885-00-9**, Octadecyl **mercaptan** **2917-26-2**, Cetyl **mercaptan**
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(tarnishing prevention by; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT 39282-03-6, Sterling **silver** 103221-24-5 476614-10-5 476614-12-7 476614-13-8
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(tarnishing prevention on; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

IT 9080-17-5, Ammonium polysulfide
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)

(test soln. with, for tarnishing; **Ag**-alloy surface treated with organosulfur compds. for tarnishing prevention)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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(2) Carpenter, J; US 3398003 A 1968 CAPLUS
(3) Gamon, J; EP 0729398 A 1996 CAPLUS
(4) Gamon, J; WO 02095082 A 2002 CAPLUS
(5) Goddard & Sons Ltd J; GB 1070384 A 1967 CAPLUS
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(7) Han, S; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2001, V123, P2422 CAPLUS
(8) Metaleurop Rech; GB 2255348 A 1992 CAPLUS
(9) Nippon Germanium Lab Co Ltd; EP 1130124 A 2001 CAPLUS

L18 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

Full Text

AN 2003:851241 CAPLUS

DN 139:330251

ED Entered STN: 30 Oct 2003

TI **Silver** (carboxylate-n-alkyl thiolate) particles for photothermographic of thermographic imaging

IN Ghyzel, Peter J.; Lelental, Mark; Dickinson, David A.; Pitt, Alan R.; Wear, Trevor J.

PA Eastman Kodak Company, USA

SO U.S., 14 pp.
CODEN: USXXAM

DT Patent

LA English

IC ICM G03C001-498

INCL 430619000; 430611000; 430620000; 430631000

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6638708	B1	20031028	US 2002-200417	20020722
	EP 1385047	A1	20040128	EP 2003-77179	20030710
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004054276	A	20040219	JP 2003-199297	20030718
PRAI	US 2002-200417	A	20020722		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 6638708	ICM	G03C001-498
	INCL	430619000; 430611000; 430620000; 430631000
	IPCI	G03C0001-498 [ICM,7]
	IPCR	B41M0005-30 [I,C*]; B41M0005-323 [I,A]; G03C0001-498 [I,C*]; G03C0001-498 [I,A]
	NCL	430/619.000; 430/611.000; 430/620.000; 430/631.000
	ECLA	G03C001/498B; G03C001/498E1
EP 1385047	IPCI	G03C0001-498 [ICM,7]
	IPCR	B41M0005-30 [I,C*]; B41M0005-323 [I,A]; G03C0001-498 [I,C*]; G03C0001-498 [I,A]
	ECLA	G03C001/498B; G03C001/498E1
JP 2004054276	IPCI	G03C0001-498 [ICM,7]; B41M0005-30 [ICS,7]
	IPCR	G03C0001-498 [I,A]; G03C0001-498 [I,C*]
	FTERM	2H026/AA07; 2H026/BB46; 2H123/AB00; 2H123/AB03; 2H123/AB25; 2H123/AB28; 2H123/BC00; 2H123/BC12; 2H123/CB00; 2H123/CB03

AB The present disclosure relates to dispersions of **silver** (carboxylate-n-alkyl thiolate). The carboxylates are typically **silver** salts of long chain fatty acids and the n-alkyl thiolate is preferably 1-dodecanethiol. These **silver** (carboxylate-n-alkyl thiolate) particles can be used to formulate imaging forming compns. that are useful in aq. thermog. or photothermog. imaging elements.

ST photog emulsion **silver** carboxylate alkyl thiolate particle photothermog

IT Photographic emulsions
(heat-developable; **silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

IT **Surfactants**
(**nonionic; silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

IT Nanoparticles
(**silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

IT 111-31-9, 1-Hexanethiol 112-55-0, 1-Dodecanethiol 112-85-6, Behenic acid **2885-00-9**, 1-**Octadecanethiol**
RL: TEM (Technical or engineered material use); USES (Uses)
(**silver** (carboxylate-n-alkyl thiolate) particles for photothermog. of thermog. imaging)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Anon; EP 0803764 A1 2001 CAPLUS
(2) Goffe; US 3666477 A 1972 CAPLUS
(3) Lelental; US 6391537 B2 2002 CAPLUS
(4) Voicu, R; Structure and Dynamics of Selectively Deuterated Self-Assembled Silver n-Octadecanethiolate Layered Materials P2266
(5) Voicu, R; Thermal Behavior of a Self-Assembled Silver n-Dode-canethiolate Layered Material Monitored by DSC P2642

L18 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text

AN 2003:798402 CAPLUS

DN 139:311931

ED Entered STN: 12 Oct 2003

TI Metal coating of hair fibers for cosmetics

IN Vic, Gabin; Livoreil, Aude; Giroud, Franck

PA L'oreal, Fr.

SO Fr. Demande, 18 pp.
CODEN: FRXXBL

DT Patent

LA French

IC ICM A61K007-075

CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2838050	A1	20031010	FR 2002-4352	20020408
	FR 2838050	B1	20060714		
	CN 1449737	A	20031022	CN 2003-108449	20030331
	CN 1213719	C	20050810		
	BR 2003000873	A	20040817	BR 2003-873	20030403
	EP 1352630	A2	20031015	EP 2003-290860	20030407
	EP 1352630	A3	20040324		
	EP 1352630	B1	20060301		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 20030223944	A1	20031204	US 2003-407911	20030407
	JP 2003300840	A	20031021	JP 2003-104420	20030408

	JP 3759120	B2	20060322
PRAI	FR 2002-4352	A	20020408
	US 2002-372455P	P	20020416

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
FR 2838050	ICM	A61K007-075
	IPCI	A61K0007-075 [ICM,7]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
CN 1449737	IPCI	A61K0007-06 [ICM,7]; A61K0007-06 [ICS,7]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
BR 2003000873	IPCI	A61K0007-06 [ICM,7]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
EP 1352630	IPCI	A61K0008-19 [I,C]; A61K0008-30 [I,C]; A61Q0005-00 [I,C]; A61Q0005-10 [I,C]; A61Q0005-10 [I,A]; A61K0008-19 [I,A]; A61K0008-46 [I,A]; A61Q0005-00 [I,A]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61Q0005-10 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30

		[I,C]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10
US 20030223944	IPCI	A61K0007-075 [ICM,7]; A61K0007-06 [ICS,7]
	IPCR	A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-30 [I,C*]; A61K0008-46 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	NCL	424/070.100; 510/119.000
	ECLA	A61K008/19; A61K008/46; A61Q005/12
JP 2003300840	IPCI	A61K0008-00 [I,A]; A61Q0005-00 [I,A]; A61K0008-18 [I,A]; A61Q0001-02 [I,A]
	IPCR	A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-18 [I,C*]; A61K0008-18 [I,A]; A61K0008-19 [I,C*]; A61K0008-19 [I,A]; A61K0008-20 [I,A]; A61K0008-23 [I,A]; A61K0008-24 [I,A]; A61K0008-26 [I,A]; A61K0008-27 [I,A]; A61K0008-30 [I,C*]; A61K0008-31 [I,A]; A61K0008-34 [I,A]; A61K0008-35 [I,A]; A61K0008-37 [I,A]; A61K0008-46 [I,A]; A61K0008-64 [I,A]; A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61K0008-89 [I,A]; A61K0008-891 [I,A]; A61Q0001-02 [I,C*]; A61Q0001-02 [I,A]; A61Q0005-00 [I,C*]; A61Q0005-00 [I,A]; A61Q0005-10 [I,C*]; A61Q0005-10 [I,A]; A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]
	ECLA	A61Q005/12; A61K008/19; A61K008/27; A61K008/46; A61Q005/00; A61Q005/10

AB The invention relates to a treatment process which confers cosmetic properties on hair fibers. The process consists of treating the fibers with a metal salt in the presence of a reducing agent, directly on the fiber to form the corresponding free metal. Thus, a lock of hair after being shampooed, was dried and an aq. soln. of AgNO3 was applied onto the hair. After the addn. of NaBH4, the natural pigmented hair was dark, with metallic brilliance reflected on it.

ST metal salt hair cosmetic

IT Alcohols, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(C1-4; metal treatment of hair fibers for cosmetics)

IT Alkanes, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(C5-10; metal treatment of hair fibers for cosmetics)

IT Polyelectrolytes
Surfactants
(amphoteric; metal treatment of hair fibers for cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(animal; metal treatment of hair fibers for cosmetics)

IT **Surfactants**
(**anionic**; metal treatment of hair fibers for cosmetics)

IT Polyelectrolytes

Surfactants
(cationic; metal treatment of hair fibers for cosmetics)
IT Cosmetics
(emollients; metal treatment of hair fibers for cosmetics)
IT Sulfates, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogen; metal treatment of hair fibers for cosmetics)
IT Antifoaming agents
Antiperspirants
Cosmetics
Hair
Hair preparations
Perfumes
Pigments, nonbiological
Preservatives
Reducing agents
Shampoos
Sunscreens
Thickening agents
(metal treatment of hair fibers for cosmetics)
IT Alkaline earth salts
Bromates
Carbonates, biological studies
Disulfides
Halides
Nitrates, biological studies
Paraffin oils
Phosphates, biological studies
Polymers, biological studies
Polysiloxanes, biological studies
Proteins
Rare earth salts
Sulfates, biological studies
Thioethers
Thiosulfates
Transition metal salts
Vitamins
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(metal treatment of hair fibers for cosmetics)
IT Bisulfites
Enzymes, reactions
Sulfites
Thiols, reactions
Thioredoxins
RL: RCT (Reactant); RACT (Reactant or reagent)
(metal treatment of hair fibers for cosmetics)
IT Cosmetics
(moisturizers; metal treatment of hair fibers for cosmetics)
IT **Surfactants**
(**nonionic**; metal treatment of hair fibers for cosmetics)
IT Peroxysulfates
RL: RCT (Reactant); RACT (Reactant or reagent)
(peroxymonosulfates; metal treatment of hair fibers for cosmetics)
IT Alcohols, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(polyhydric; metal treatment of hair fibers for cosmetics)

IT Sulfonic acids, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(salts; metal treatment of hair fibers for cosmetics)

IT Sulfinic acids
Thiols, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(salts; metal treatment of hair fibers for cosmetics)

IT Salts, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(thiol; metal treatment of hair fibers for cosmetics)

IT Lactones
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(thiolactones; metal treatment of hair fibers for cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(vegetable; metal treatment of hair fibers for cosmetics)

IT 64-17-5, Ethanol, biological studies 67-63-0, Isopropanol, biological studies 67-64-1, Acetone, biological studies 78-93-3, Methyl ethyl ketone, biological studies 79-20-9, Methyl acetate 110-71-4 123-86-4, Butyl acetate 141-78-6, EtOAc, biological studies 7429-90-5D, Aluminum, salts 7439-89-6D, Iron, salts 7439-98-7D, Molybdenum, salts 7440-02-0D, Nickel, salts 7440-05-3D, Palladium, salts 7440-06-4D, Platinum, salts 7440-22-4D, **Silver**, salts 7440-31-5D, Tin, salts 7440-32-6D, Titanium, salts 7440-33-7D, Tungsten, salts 7440-36-0D, Antimony, salts 7440-50-8D, Copper, salts 7440-57-5D, Gold, salts 7440-66-6D, Zinc, salts 7440-74-6D, Indium, salts 7758-89-6, Cuprous chloride 7761-88-8, **Silver** nitrate, biological studies 7775-41-9, **Silver** fluoride 7783-89-3, **Silver** bromate 7783-90-6, **Silver** chloride, biological studies 7783-96-2, **Silver** iodide 7785-23-1, **Silver** bromide 7787-70-4, Cuprous bromide 10025-98-6, Dipotassium palladium tetrachloride 10294-26-5, **Silver** sulfate 10294-28-7, Gold tribromide 16903-35-8 16923-58-3, Disodium hexachloroplatinate 19045-66-0D, Thiocarbamic acid, salts 73506-93-1, Diethoxyethane
RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
(metal treatment of hair fibers for cosmetics)

IT 50-81-7, Ascorbic acid, reactions 53-57-6, NaDPH 58-68-4, NaDH 68-11-1, Thioglycolic acid, reactions 77-92-9D, Citric acid, salts 106-51-4, 2,5-Cyclohexadiene-1,4-dione, reactions 123-31-9, Hydroquinone, reactions 280-64-8, 9-BBN 1758-73-2, Formamidinesulfinic acid **2885-00-9**, 1-**Octadecanethiol** 3483-12-3, Dithiothreitol 6838-83-1, Diisoamylborane 7772-98-7 7775-14-6 7803-51-2, Phosphine 13762-51-1 14451-43-5 16853-85-3 16940-66-2 17836-88-3 25895-60-7, Sodium cyanoborohydride 37318-49-3, Protein disulfide isomerase 56553-60-7 131760-67-3 145626-87-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(metal treatment of hair fibers for cosmetics)

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Anon; PATENT ABSTRACTS OF JAPAN 1991, V015(243), PC-0842
(2) Anon; PATENT ABSTRACTS OF JAPAN 1992, V016(509), PC-0997
(3) Dong Sung Pharmaceuticals Co L; EP 1243249 A 2002 CAPLUS

(4) Grollier, J; US 4971596 A 1990 CAPLUS
(5) Kanebo Ltd; JP 03077806 A 1991 CAPLUS
(6) Katsumi, M; JP 04187625 A 1992 CAPLUS
(7) Lapidus, H; US 4195972 A 1980
(8) Richez, H; US 1055355 A 1913 CAPLUS
(9) Wella Ag; DE 2806603 A 1979 CAPLUS
(10) Wella Ag; DE 29621557 U 1997

L18 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 2003:737150 CAPLUS
DN 139:250305
ED Entered STN: 19 Sep 2003
TI Invisible patch for the controlled delivery of cosmetic, dermatological, and pharmaceutical active ingredients onto the skin
IN Shefer, Adi; Shefer, Samuel
PA USA
SO U.S. Pat. Appl. Publ., 17 pp., Cont.-in-part of U. S. Ser. No. 91,935.
CODEN: USXXCO
DT Patent
LA English
IC ICM A61K031-715
ICS A61K009-70
INCL 424449000; 514061000
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 62
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20030175333	A1	20030918	US 2003-376736	20030228
	US 20030175328	A1	20030918	US 2002-91935	20020306
	CA 2515098	A1	20040916	CA 2004-2515098	20040227
	WO 2004078122	A2	20040916	WO 2004-US6106	20040227
	WO 2004078122	A3	20050203		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1603499	A2	20051214	EP 2004-715783	20040227
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2006519263	T	20060824	JP 2006-508924	20040227
PRAI	US 2002-91935	A2	20020306		
	US 2003-376736	A	20030228		
	WO 2004-US6106	W	20040227		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 20030175333	ICM	A61K031-715
	ICS	A61K009-70
	INCL	424449000; 514061000
	IPCI	A61K0031-715 [ICM,7]; A61K0009-70 [ICS,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61F0013-02 [I,C*]; A61F0013-02 [I,A]; A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61K0008-11 [I,C*]; A61K0008-11 [I,A];

		A61K0008-30 [I,C*]; A61K0008-35 [I,A]; A61K0008-368 [I,A]; A61K0008-44 [I,A]; A61K0008-67 [I,A]; A61K0008-72 [I,C*]; A61K0008-72 [I,A]; A61K0008-73 [I,A]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61K0009-50 [I,C*]; A61K0009-50 [I,A]; A61K0009-51 [I,C*]; A61K0009-51 [I,A]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0031-01 [I,C*]; A61K0031-01 [I,A]; A61K0031-045 [I,C*]; A61K0031-045 [I,A]; A61K0031-047 [I,A]; A61K0031-05 [I,A]; A61K0031-075 [I,C*]; A61K0031-085 [I,A]; A61K0031-121 [I,C*]; A61K0031-121 [I,A]; A61K0031-155 [I,C*]; A61K0031-155 [I,A]; A61K0031-165 [I,C*]; A61K0031-165 [I,A]; A61K0031-345 [I,C*]; A61K0031-345 [I,A]; A61K0031-4453 [I,C*]; A61K0031-4453 [I,A]; A61K0031-545 [I,C*]; A61K0031-545 [I,A]; A61K0031-60 [I,C*]; A61K0031-60 [I,A]; A61K0031-616 [I,A]; A61K0031-65 [I,C*]; A61K0031-65 [I,A]; A61K0031-7042 [I,C*]; A61K0031-7048 [I,A]; A61K0033-00 [I,C*]; A61K0033-00 [I,A]; A61K0033-18 [I,C*]; A61K0033-18 [I,A]; A61K0033-28 [I,C*]; A61K0033-28 [I,A]; A61K0033-38 [I,C*]; A61K0033-38 [I,A]; A61K0036-18 [I,C*]; A61K0036-18 [I,A]; A61K0036-88 [I,C*]; A61K0036-896 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61K0047-32 [I,C*]; A61K0047-32 [I,A]; A61K0047-34 [I,C*]; A61K0047-34 [I,A]; A61K0047-36 [I,C*]; A61K0047-36 [I,A]; A61K0047-38 [I,C*]; A61K0047-38 [I,A]; A61K0047-42 [I,C*]; A61K0047-42 [I,A]; A61L0015-16 [I,C*]; A61L0015-44 [I,A]; A61P0017-00 [I,C*]; A61P0017-00 [I,A]; A61P0017-02 [I,A]; A61P0017-10 [I,A]; A61P0017-12 [I,A]; A61P0017-16 [I,A]; A61Q0009-04 [I,C*]; A61Q0009-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0017-04 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-04 [I,C*]; A61Q0019-04 [I,A]; A61Q0019-08 [I,C*]; A61Q0019-08 [I,A]
	NCL	424/449.000; 514/061.000
	ECLA	A61K008/02C; A61K008/35; A61K008/368; A61K008/44; A61K008/67C; A61K008/67H; A61K008/67L; A61K008/97; A61K009/70E; A61L015/44; A61Q009/04; A61Q019/00; A61Q019/04; A61Q019/08; K61K
US 20030175328	IPCI	A61K0009-70 [ICM,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61F0013-02 [I,C*]; A61F0013-02 [I,A]; A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-02 [I,C*]; A61K0008-02 [I,A]; A61K0008-11 [I,C*]; A61K0008-11 [I,A]; A61K0008-30 [I,C*]; A61K0008-35 [I,A]; A61K0008-368 [I,A]; A61K0008-44 [I,A]; A61K0008-67 [I,A]; A61K0008-72 [I,C*]; A61K0008-72 [I,A]; A61K0008-73 [I,A]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61K0009-50 [I,C*]; A61K0009-50 [I,A]; A61K0009-51 [I,C*]; A61K0009-51 [I,A]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0031-01 [I,C*]; A61K0031-01 [I,A]; A61K0031-045 [I,C*]; A61K0031-045 [I,A]; A61K0031-047 [I,A]; A61K0031-05 [I,A]; A61K0031-075 [I,C*]; A61K0031-085 [I,A]; A61K0031-121 [I,C*]; A61K0031-121 [I,A]; A61K0031-155 [I,C*]; A61K0031-155 [I,A]; A61K0031-165 [I,C*]; A61K0031-165 [I,A]; A61K0031-345 [I,C*]; A61K0031-345 [I,A]; A61K0031-4453 [I,C*]; A61K0031-4453 [I,A]; A61K0031-545 [I,C*]; A61K0031-545 [I,A]; A61K0031-60 [I,C*]; A61K0031-60

		[I,A]; A61K0031-616 [I,A]; A61K0031-65 [I,C*]; A61K0031-65 [I,A]; A61K0031-7042 [I,C*]; A61K0031-7048 [I,A]; A61K0033-00 [I,C*]; A61K0033-00 [I,A]; A61K0033-18 [I,C*]; A61K0033-18 [I,A]; A61K0033-28 [I,C*]; A61K0033-28 [I,A]; A61K0033-38 [I,C*]; A61K0033-38 [I,A]; A61K0036-18 [I,C*]; A61K0036-18 [I,A]; A61K0036-88 [I,C*]; A61K0036-896 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61K0047-32 [I,C*]; A61K0047-32 [I,A]; A61K0047-34 [I,C*]; A61K0047-34 [I,A]; A61K0047-36 [I,C*]; A61K0047-36 [I,A]; A61K0047-38 [I,C*]; A61K0047-38 [I,A]; A61K0047-42 [I,C*]; A61K0047-42 [I,A]; A61L0015-16 [I,C*]; A61L0015-44 [I,A]; A61P0017-00 [I,C*]; A61P0017-00 [I,A]; A61P0017-02 [I,A]; A61P0017-10 [I,A]; A61P0017-12 [I,A]; A61P0017-16 [I,A]; A61Q0009-04 [I,C*]; A61Q0009-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0017-04 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-04 [I,C*]; A61Q0019-04 [I,A]; A61Q0019-08 [I,C*]; A61Q0019-08 [I,A]
	NCL	424/449.000
	ECLA	A61K008/02C; A61K008/35; A61K008/368; A61K008/44; A61K008/67C; A61K008/67H; A61K008/67L; A61K008/97; A61K009/70E; A61L015/44; A61Q009/04; A61Q019/00; A61Q019/04; A61Q019/08; K61K
CA 2515098	IPCI	A61K0009-70 [ICM,7]; A61K0007-00 [ICS,7]; A61K0045-00 [ICS,7]; A61M0037-00 [ICS,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
WO 2004078122	IPCI	A61K [ICM,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
EP 1603499	IPCI	A61F0013-00 [ICM,7]
	IPCR	A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0009-70 [I,C*]; A61K0009-70 [I,A]; A61K0045-00 [I,C*]; A61K0045-00 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]
JP 2006519263	IPCI	A61K0008-02 [I,A]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-84 [I,A]; A61K0008-88 [I,A]; A61K0008-72 [I,C*]; A61K0008-34 [I,A]; A61K0008-60 [I,A]; A61K0008-46 [I,A]; A61K0008-41 [I,A]; A61K0008-37 [I,A]; A61K0008-55 [I,A]; A61K0008-58 [I,A]; A61Q0019-00 [I,A]; A61K0008-33 [I,A]; A61K0008-43 [I,A]; A61K0008-49 [I,A]; A61K0008-36 [I,A]; A61K0008-30 [I,C*]; A61K0009-70 [I,A]; A61K0047-28 [I,A]; A61K0047-36 [I,A]; A61K0047-38 [I,A]; A61K0047-32 [I,A]; A61K0047-42 [I,A]; A61K0047-34 [I,A]; A61K0047-10 [I,A]; A61K0047-20 [I,A]; A61K0047-18 [I,A]; A61K0047-16 [I,C*]; A61K0047-14 [I,A]; A61K0047-12 [I,A]; A61K0047-24 [I,A]; A61K0045-00 [I,A]; A61K0047-22 [I,A]
	IPCR	A61K0008-02 [I,C]; A61K0008-02 [I,A]; A61F0013-00 [I,C*]; A61F0013-00 [I,A]; A61K [I,S]; A61K0008-30 [I,C]; A61K0008-33 [I,A]; A61K0008-34 [I,A]; A61K0008-36 [I,A]; A61K0008-37 [I,A]; A61K0008-41 [I,A]; A61K0008-43 [I,A]; A61K0008-46 [I,A];

A61K0008-49 [I,A]; A61K0008-55 [I,A]; A61K0008-58 [I,A]; A61K0008-60 [I,A]; A61K0008-72 [I,C]; A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-84 [I,A]; A61K0008-88 [I,A]; A61K0009-70 [I,C]; A61K0009-70 [I,A]; A61K0045-00 [I,C]; A61K0045-00 [I,A]; A61K0047-10 [I,C]; A61K0047-10 [I,A]; A61K0047-12 [I,C]; A61K0047-12 [I,A]; A61K0047-14 [I,C]; A61K0047-14 [I,A]; A61K0047-16 [I,C]; A61K0047-18 [I,A]; A61K0047-20 [I,C]; A61K0047-20 [I,A]; A61K0047-22 [I,C]; A61K0047-22 [I,A]; A61K0047-24 [I,C]; A61K0047-24 [I,A]; A61K0047-28 [I,C]; A61K0047-28 [I,A]; A61K0047-32 [I,C]; A61K0047-32 [I,A]; A61K0047-34 [I,C]; A61K0047-34 [I,A]; A61K0047-36 [I,C]; A61K0047-36 [I,A]; A61K0047-38 [I,C]; A61K0047-38 [I,A]; A61K0047-42 [I,C]; A61K0047-42 [I,A]; A61M0037-00 [I,C*]; A61M0037-00 [I,A]; A61Q0019-00 [I,C]; A61Q0019-00 [I,A]

FTERM 4C076/AA72; 4C076/AA95; 4C076/BB31; 4C076/CC01; 4C076/CC03; 4C076/CC04; 4C076/CC18; 4C076/DD03; 4C076/DD04; 4C076/DD07; 4C076/DD08; 4C076/DD09; 4C076/DD13; 4C076/DD17; 4C076/DD38A; 4C076/DD66A; 4C076/EE06A; 4C076/EE10A; 4C076/EE12A; 4C076/EE13A; 4C076/EE17A; 4C076/EE23A; 4C076/EE26A; 4C076/EE27; 4C076/EE30A; 4C076/EE31A; 4C076/EE32A; 4C076/EE38A; 4C076/FF31; 4C076/FF35; 4C083/AA112; 4C083/AB032; 4C083/AC122; 4C083/AC131; 4C083/AC181; 4C083/AC371; 4C083/AC391; 4C083/AC421; 4C083/AC441; 4C083/AC532; 4C083/AC682; 4C083/AC772; 4C083/AC781; 4C083/AC791; 4C083/AD041; 4C083/AD042; 4C083/AD051; 4C083/AD071; 4C083/AD072; 4C083/AD091; 4C083/AD111; 4C083/AD131; 4C083/AD151; 4C083/AD201; 4C083/AD202; 4C083/AD211; 4C083/AD241; 4C083/AD261; 4C083/AD271; 4C083/AD281; 4C083/AD282; 4C083/AD351; 4C083/AD391; 4C083/AD642; 4C083/AD662; 4C083/CC02; 4C083/DD12; 4C083/EE12; 4C083/EE13; 4C083/EE14; 4C083/EE16; 4C083/EE22; 4C084/AA17; 4C084/MA32; 4C084/MA63; 4C084/NA10; 4C084/ZA891

AB The present invention relates to a patch for controlled topical or transdermal delivery of effective levels of cosmetic, dermatol., and pharmaceutical active ingredients onto the skin, hair follicles, and sebaceous glands, with minimal discomfort and ease of use. The patch can be transparent or clear and comprises a rate-controlling matrix layer. The matrix layer comprises water-sensitive, bioadhesive, film forming polymers, a water sol. oligomer, and a **surfactant**. The cosmetic, dermatol., and pharmaceutical active ingredients are sol. or dispersed in the matrix. The patch becomes tacky when wetted and adheres onto the skin. The adhesive properties of the patch are sufficient to maintain the patch in place on the skin for the recommended treatment period while allowing the patch to be readily removed without causing skin irritation or leaving adhesive residue on the skin. For example, an antibiotic patch contained polyvinyl alc. 50, PVP 1, polysorbate 20 5, Maltrin 180 10, lactitol 5, glycerin 10, and chloramphenicol 0.55%.

ST patch bioadhesive polymer oligosaccharide **surfactant**; antibiotic patch PVA PVP polysorbate chloramphenicol

IT Glycosides
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkyl polyglycosides; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**

(amphoteric; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**anionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(cationic; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Essential oils
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(clove; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Hair preparations
(conditioners; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(depilatories; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Acne
Burn
Dandruff
Pruritus
Rhus diversiloba
Rhus toxicodendron
(drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Alcohols, biological studies
Amides, biological studies
Esters, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ethoxylated; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Hair preparations
(growth stimulants; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Vein, disease
(hemorrhoid, drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Syrups (sweetening agents)
(hydrolyzed starch; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Allergy inhibitors
Aloe barbadensis
Analgesics
Anti-infective agents
Anti-inflammatory agents
Antibacterial agents
Antibiotics
Antiemetics
Antihistamines
Antimicrobial agents
Antioxidants
Antiperspirants
Antitussives
Antiviral agents
Chelating agents
Chemotherapy
Cholinergic antagonists

Deodorants
Disinfectants
Fungicides
Hemostatics
Immunomodulators
Insecticides
Radical scavengers
Sunscreens
Suntanning agents
Vasoconstrictors
Vasodilators
Wound healing promoters
(invisible patches contg. bioadhesive polymers and **surfactants**
)

IT Amine oxides
Amino acids, biological studies
Carbohydrates, biological studies
Caseins, biological studies
Flavonoids
Gelatins, biological studies
Glycerides, biological studies
Lanolin
Lecithins
Oligosaccharides, biological studies
Paraffin oils
Peptides, biological studies
Polyamides, biological studies
Polyesters, biological studies
Polyoxyalkylenes, biological studies
Polyoxyalkylenes, biological studies
Polysaccharides, biological studies
Proteins
Retinoids
Vitamins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

IT Anesthetics
(local; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(moisturizers; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**nonionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Amines, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(polyamines, nonpolymeric; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Alcohols, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(polyhydric, propoxylated; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)

(polymers; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Skin, disease
(rash, drugs for; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(skin-lightening; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Drug delivery systems
(tapes; invisible patches contg. bioadhesive polymers and **surfactants**)

IT Cosmetics
(wrinkle-preventing; invisible patches contg. bioadhesive polymers and **surfactants**)

IT **Surfactants**
(**zwitterionic**; invisible patches contg. bioadhesive polymers and **surfactants**)

IT 36574-66-0D, N-coco acyl derivs.
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cocoamidopropylbetaine; invisible patches contg. bioadhesive polymers and **surfactants**)

IT 68-26-8, Retinol 96-26-4, Dihydroxyacetone 814-71-1, Calcium **thioglycolate** 34452-51-2, Potassium **thioglycolate**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**)

IT 50-70-4, Sorbitol, biological studies 50-70-4D, Sorbitol, oligomers contg. 50-78-2, Aspirin 50-81-7, Vitamin C, biological studies 50-99-7D, Glucose, esters 50-99-7D, D-Glucose, oligomers contg. 55-56-1, Chlorhexidine 56-81-5, Glycerin, biological studies 56-86-0D, Glutamic acid, N-acyl derivs. 57-48-7D, Fructose, oligomers contg. 57-50-1D, Sucrose, esters 57-50-1D, Sucrose, oligomers contg. 57-55-6, Propylene glycol, biological studies 58-86-6D, Xylose, oligomers contg. 59-23-4D, Galactose, oligomers contg. 59-87-0, Nitrofurazone 60-54-8, Tetracycline 69-65-8D, Mannitol, oligomers contg. 69-72-7, Salicylic acid, biological studies 69-79-4D, Maltose, oligomers contg. 87-99-0D, Xylitol, oligomers contg. 106-11-6, Diethylene glycol monostearate 107-36-8D, Isethionic acid, cocoyl derivs. 108-46-3, Resorcinol, biological studies 108-95-2, Phenol, biological studies 114-07-8, Erythromycin 115-83-3, Pentaerythritol tetrastearate 144-55-8, Sodium bicarbonate, biological studies 151-21-3, Sodium lauryl sulfate, biological studies 404-86-4, Capsaicin 497-19-8, Sodium carbonate, biological studies 585-86-4D, Lactitol, oligomers contg. 585-88-6D, Maltitol, oligomers contg. 770-35-4, Phenoxyisopropanol 1338-41-6, Sorbitan monostearate 1406-18-4, Vitamin E 2216-51-5 3380-34-5, Triclosan 3458-28-4D, D-Mannose, oligomers contg. 6284-40-8 7439-97-6, Mercury, biological studies 7440-22-4, **Silver**, biological studies 7553-56-2, Iodine, biological studies 8011-96-9, Calamine 8050-81-5, Simethicone 9000-01-5, Gum arabic 9002-89-5, Polyvinyl alcohol 9002-98-6 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone 9004-64-2, Hydroxypropyl cellulose 9005-25-8, Starch, biological studies 9005-25-8D, Starch, hydrolyzates 9005-64-5, Polysorbate 20 9011-13-6, Styrene-maleic anhydride copolymer 9011-16-9, Methyl vinyl ether-maleic anhydride copolymer 11099-07-3, Glycerin stearate 11111-12-9, Cephalosporin 11140-06-0, Glycerin palmitate 12694-22-3, Diglyceryl monostearate 13718-94-0D, Palatinose, oligomers contg. 15687-27-1, Ibuprofen 18323-44-9, Clindamycin 25322-68-3, Polyethylene glycol 25322-69-4 25655-41-8, Povidone iodine 26658-19-5, Sorbitan tristearate 27195-16-0, Sucrose distearate

30233-64-8, Glyceryl monobehenate 39529-26-5, Decaglyceryl decastearate
42852-72-2 53998-08-6, Sarcosinate 63119-59-5, Diglycerin distearate
68424-04-4, Polydextrose 71185-87-0, Hexaglyceryl tristearate
75537-01-8, Gantrez S-97 95461-64-6, Decaglyceryl pentastearate
99734-29-9, Tetraglyceryl tristearate 99880-64-5, Glyceryl dibehenate
106392-12-5, Polyoxyethylene polyoxypropylene block copolymer
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

IT 56-75-7, Chloramphenicol 94-09-7, Benzocaine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(invisible patches contg. bioadhesive polymers and **surfactants**
)

L18 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 1992:536001 CAPLUS
DN 117:136001
OREF 117:23503a,23506a
ED Entered STN: 04 Oct 1992
TI Aqueous emulsion for temporary protection of **silver** and copper surfaces against tarnishing
IN Grossmann, Hermann
PA Doduco GmbH und Co. Dr. Eugen Duerrwaechter, Germany
SO Eur. Pat. Appl., 6 pp.
CODEN: EPXXDW
DT Patent
LA German
IC ICM C23F011-16
CC 56-10 (Nonferrous Metals and Alloys)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 492487	A1	19920701	EP 1991-121903	19911220
	EP 492487	B1	19960320		
	R: DE, ES, FR, GB, IT, NL				
	DE 4041596	A1	19920702	DE 1990-4041596	19901222
	ES 2086471	T3	19960701	ES 1991-121903	19911220
PRAI	DE 1990-4041596	A	19901222		
	DE 1991-4124955	A	19910727		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 492487	ICM	C23F011-16
	IPCI	C23F0011-16 [ICM,5]; C23F0011-10 [ICM,5,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16B
DE 4041596	IPCI	C23F0011-12 [ICM,5]; C23F0011-16 [ICS,5]; C23F0011-10 [ICS,5,C*]; C09K0015-06 [ICA,5]; C09K0015-12 [ICA,5]; C09K0015-00 [ICA,5,C*]; B01F0017-42 [ICA,5]; B01F0017-38 [ICA,5]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16B
ES 2086471	IPCI	C23F0011-16 [ICM,6]; C23F0011-10 [ICM,6,C*]
	IPCR	C23F0011-10 [I,C*]; C23F0011-16 [I,A]
	ECLA	C23F011/16B

AB The emulsion of pH 1-10 (preferably 2-4) comprises a hydrophobic inhibitor of a C≥ 12 thioalc. with ≥ 1 SH group and its ester 0.05-50

(preferably 2-20), emulsifier 0.05-50 (2-20), and an **anionic** or **nonionic surfactant** ≤ 2 (0.05-1 g/L). The emulsifier comprises an alkoxylated and preferably ethoxylated branched C4-20 alc., an alkyl or alkylphenyl ether of polyethylene glycol. **Ag**, Cu, and their alloys are treated with the emulsion at >T (m.p. of inhibitor), rinsed with H2O at <T, and dried with hot air. An example emulsion of pH 3 and suitable for treatment of **Ag** and **Ag** alloys contains **octadecanethiol** 0.5-30, polyethylene glycol alkyl ether 0.5-30, and SDS ≤ 1 g/L H2O.

ST tarnishing inhibitor **silver** copper; thiol SDS tarnishing inhibitor **silver**; SDS thiol tarnishing inhibitor copper; polyethylene glycol ether tarnishing inhibitor

IT Thiols, uses
RL: USES (Uses)
(corrosion inhibitors, for copper and **silver**, with emulsifiers of alkyl or alkylphenyl ether of polyethylene glycol)

IT Tarnishing
(of **silver** and copper alloys, aq. emulsion for prevention of)

IT Corrosion inhibitors
(thiols, with emulsifiers of alkyl or alkyl Ph ether of polyethylene glycol)

IT Alcohols, compounds
RL: PROC (Process)
(C8-16, ethoxylated, corrosion inhibitor emulsion contg., thiol, for copper and **silver** and their alloys)

IT copper alloy, base
silver alloy, base
RL: RCT (Reactant); RACT (Reactant or reagent)
(tarnishing of, thiol inhibitor for)

IT 25322-68-3D, Polyethylene glycol, alkyl and alkylphenyl ethers 151-21-3, uses
RL: PROC (Process)
(corrosion inhibitor emulsion contg., thiol, for copper and **silver** and their alloys)

IT **2885-00-9, Octadecanethiol**
RL: PROC (Process)
(corrosion inhibitors, for copper and **silver**, with emulsifiers of alkyl or alkylphenyl ether of polyethylene glycol)

IT 7440-22-4, **Silver**, reactions 7440-50-8, Copper, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(tarnishing of, thiol inhibitor for)

L18 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text

AN 1991:89162 CAPLUS
DN 114:89162
OREF 114:15093a,15096a
ED Entered STN: 09 Mar 1991
TI **Silver** metal liquidlike films (MELLFs). The effect of **surfactants**
AU Yogev, D.; Efrima, S.
CS Dep. Chem., Ben-Gurion Univ. Negev, Beer-Sheva, 84105, Israel
SO Langmuir (1991), 7(2), 267-71
CODEN: LANGD5; ISSN: 0743-7463
DT Journal
LA English
CC 66-4 (Surface Chemistry and Colloids)
Section cross-reference(s): 73, 74
AB The effects of **surfactants** on the prodn. and stabilization of **Ag** metal liquidlike films (MELLFs) were studied. The main role of the **surfactant** is in stabilizing the **Ag** MELLFs and improving their properties

(reflectivity, "fluidity"). A variety of different **surfactants** were found to be active, and of those investigated, **anionic** fluoroalkyl **surfactants** seem to be the most effective. In the case of **anionic surfactants**, the countercation has a significant effect on the **Ag** MELLF, esp. if it is a surface-active agent in itself. The effects of the **surfactants** on the interfacial tension and their effect on the measured reflectivities of the MELLFs are discussed in the context of the interfacial colloidal model of **Ag** MELLFs.

ST **silver** metal liquidlike film formation; **surfactant** effect metal liquidlike film; interfacial tension metal liquidlike film

IT Films
(metal liq.-like, **surfactant** effects on formation of)

IT Interfacial tension
(of **surfactant** solns., **silver** metal liq.-like film formation in relation to)

IT Sulfonic acids, compounds
RL: PRP (Properties)
(perfluoroalkane, ammonium and potassium salts, **surfactant** effect of, on **silver** metal liq.-like film formation)

IT **Surfactants**
(**silver** metal liq.-like film formation in presence of)

IT Carboxylic acids, compounds
RL: PRP (Properties)
(perfluoro, ammonium salts, **surfactant** effect of, on **silver** metal liq.-like film formation)

IT 7440-22-4, **Silver**, uses and miscellaneous
RL: USES (Uses)
(liq.-like metal film formation by, **surfactant** effects on)

IT 577-11-7 **2885-00-9**, 1-**Octadecanethiol** 9002-93-1, Triton X 100 52584-45-9, Monflor 31 57534-41-5, Zonyl FSN 60529-61-5, Monflor 32 67479-85-0, Zonyl FSC 67479-86-1, Zonyl FSP
RL: PRP (Properties)
(**silver** metal liq.-like film formation in presence of)

L18 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
Full Text
AN 1987:33631 CAPLUS
DN 106:33631
OREF 106:5655a,5658a
ED Entered STN: 07 Feb 1987
TI Maleimide copolymer and thermoplastic resin prepared by using this copolymer
IN Kimura, Atsushi; Toyooka, Yutaka; Kishida, Kazuo
PA Mitsubishi Rayon Co., Ltd., Japan
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
IC ICM C08F002-18
ICS C08F212-04; C08L033-14; C08L035-06; C08L051-04
CC 35-4 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 38
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8604337	A1	19860731	WO 1986-JP17	19860117
	W: AU, US				
	RW: DE, FR, GB, IT, NL				
	JP 61163903	A	19860724	JP 1985-4907	19850117
	JP 61174248	A	19860805	JP 1985-12705	19850128

	AU 8653567	A	19860813	AU 1986-53567	19860117
	EP 208790	A1	19870121	EP 1986-900840	19860117
	R: DE, FR, GB, IT, NL				
	CA 1262299	A1	19891010	CA 1986-518902	19860923
PRAI	JP 1985-4907	A	19850117		
	JP 1985-12705	A	19850128		
	WO 1986-JP17	A	19860117		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 8604337	ICM	C08F002-18
	ICS	C08F212-04; C08L033-14; C08L035-06; C08L051-04
	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08L0033-14 [ICS,4]; C08L0033-00 [ICS,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0002-12 [I,C*]; C08F0002-18 [I,A]; C08F0222-00 [I,C*]; C08F0222-40 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]
	ECLA	C08F222/40; C08L035/06+B5; C08L051/04+B2
JP 61163903	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08F0002-00 [ICA,4]
JP 61174248	IPCI	C08L0033-18 [ICM,4]; C08L0033-00 [ICM,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08L0033-00 [I,C*]; C08L0033-00 [I,A]; C08L0007-00 [I,C*]; C08L0007-00 [I,A]; C08L0021-00 [I,C*]; C08L0021-00 [I,A]; C08L0023-00 [I,C*]; C08L0023-00 [I,A]; C08L0033-02 [I,A]; C08L0033-18 [I,A]; C08L0033-24 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-00 [I,A]; C08L0051-02 [I,A]; C08L0051-04 [I,A]; C08L0101-00 [I,C*]; C08L0101-00 [I,A]
AU 8653567	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08L0033-14 [ICS,4]; C08L0033-00 [ICS,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0002-12 [I,C*]; C08F0002-18 [I,A]; C08F0222-00 [I,C*]; C08F0222-40 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]
	ECLA	C08F222/40; C08L035/06+B5; C08L051/04+B2
EP 208790	IPCI	C08F0002-18 [ICM,4]; C08F0002-12 [ICM,4,C*]; C08F0212-04 [ICS,4]; C08F0212-00 [ICS,4,C*]; C08L0033-14 [ICS,4]; C08L0033-00 [ICS,4,C*]; C08L0035-06 [ICS,4]; C08L0035-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0002-12 [I,C*]; C08F0002-18 [I,A]; C08F0222-00 [I,C*]; C08F0222-40 [I,A]; C08L0035-00 [I,C*]; C08L0035-06 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]
	ECLA	C08F222/40; C08L035/06+B5; C08L051/04+B2
CA 1262299	IPCI	C08F0212-04 [ICM,4]; C08F0212-00 [ICM,4,C*]; C08L0025-02 [ICS,4]; C08L0025-00 [ICS,4,C*]; C08L0051-04 [ICS,4]; C08L0051-00 [ICS,4,C*]
	IPCR	C08F0212-00 [I,C*]; C08F0212-04 [I,A]; C08L0025-00

[I,C*]; C08L0025-02 [I,A]; C08L0051-00 [I,C*]; C08L0051-04 [I,A]

AB A maleimide polymer with excellent heat stability during high-temp. molding and giving a product with excellent resistance to discoloration, heat, and impact when blended with a graft rubber, is prepd. by polymn. of a monomer selected from an arom. vinyl monomer, an unsatd. nitrile, and Me methacrylate 50-95, a maleimide 5-50, and other monomers 0-30% in the presence of a Ca phosphate-based dispersing agent and a **nonionic surfactant** [RO(CH2CH2O)n]mPO(OA)3-m (R = C8-30 alkyl, aralkyl; A = H, metal; m = 1-3, n = 5-50). The process minimizes the scale formation of formed polymers on a reactor wall during polymn. Thus, a mixt. of arylonitrile 20, styrene 170, and N-phenylmaleimide 10 parts in 100 parts water contg. AIBN 0.1, tert-Bu benzoate 0.1, tert-dodecyl **mercaptan** 0.3, Gafac GB 520 0.003, and Ca3PO4 0.5 part was suspension-polymd. at 80° for 3 h and at 120° for 2 h to give polymer beads (particle diam. 180 μ, glass-transition temp. 125°). During the polymn., no scale formation was obsd. A blend of 55 parts maleimide copolymer and 45 parts graft polymer from polybutadiene 50, acrylonitrile 15, and styrene 35 parts contg. Mg stearate 0.3, tris(nonylphenyl) phosphite 0.1, and Antage W 400 0.2 phr was injection-molded at 280-290° to give a sample exhibiting yellowing index (at 280°) 31, notched Izod impact strength 16.4 kg-cm/cm2, Rockwell hardness (R) 102, and Vicat softening point 108°, with no **silver** streak formation, compared with 44, 16, 101, and 104, with **silver** streak formation, when a maleimide copolymer prepd. in the presence of poly(vinyl alc.) as a dispersing agent was used.

ST phenylmaleimide copolymer suspension polymn; acrylonitrile copolymer suspension polymn; styrene copolymer suspension polymn; calcium phosphate dispersant suspension polymn; polyethylene glycol lauryl ether phosphate; **nonionic** phosphate **surfactant** suspension polymn; scale prevention suspension polymn dispersant; ABS blend maleimide copolymer molding; heat stability maleimide copolymer molding

IT Plastics, molded
RL: USES (Uses)
(ABS polymer-maleimide-contg. polymers, heat- and impact-resistant, heat-stable)

IT Heat-resistant materials
(maleimide-contg. polymers, heat stability improvement of)

IT Dispersing agents
(polyalkylene glycol phosphate-tricalcium phosphate, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention)

IT Scale (coating)
(prevention of, on reactor wall during suspension polymn. of maleimide-contg. monomer mixts., dispersing agents for)

IT Polymerization
(suspension, of maleimide-contg. monomer mixts., dispersing agents for, for scale formation prevention)

IT 9003-56-9
RL: USES (Uses)
(phenylmaleimide copolymer blends, heat-stable, resistant to discoloration, heat and impact)

IT 31621-07-5P, Acrylonitrile-N-phenylmaleimide-styrene copolymer 94858-30-7P, Acrylonitrile-α-methylstyrene-N-phenylmaleimide-styrene copolymer 101482-57-9P, Acrylonitrilemethyl methacrylate-N-phenylmaleimide-styrene copolymer
RL: PREP (Preparation)

(prepn. of, by suspension polymn., dispersing agents for, for improved heat stability and scale prevention during polymn.)

IT 51811-79-1, Gafac RE 610
RL: USES (Uses)
(suspensing agents, Gafac RE 610, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention during polymn.)

IT 35604-29-6, Gafac GB 520
RL: USES (Uses)
(suspension agent, Gafac GB 520, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention during polymn.)

IT 7758-87-4, Tricalcium phosphate
RL: USES (Uses)
(suspension agent, in suspension polymn. of maleimide-contg. monomer mixts., for scale formation prevention during polymn.)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Anon; JP 4983785 A
(2) Anon; JP 5495689 A
(3) Anon; JP 57125242 A CAPLUS
(4) Anon; JP 57167341 A CAPLUS
(5) Anon; JP 58129043 A CAPLUS
(6) Anon; JP 58206657 A CAPLUS
(7) Anon; JP 59184243 A CAPLUS

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.85	182.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-22.96	-22.96

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